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Do not assume content reflects current scientific knowledge, policies, or practices.

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In addition to items listed we are also able to supply quotations and descriptive literature on the following:—

<p>Abrasives Acetylene Generators Air Compressors Alfalfa Implements Anemometers Anti-Freezing Solutions Anti-Rust Compounds and Removers Anvils, Bench Augers and Diggers, Post Hole Augers, Well Auto Trailers Axle Forgings and Parts Baggers, Grain Balers, Cotton Baling Presses, Hay Balls, for Bearings Barn Equipment— Mangers, Stanchions, Ties, Etc. Bean Implements Bearings Bee Keepers' Supplies Beet Implements Belting Belts, Fan Benches Binders and Headers Combined Binders, Rice Bins, Grain, Steel, Portable Bits, Auger Block Machines, Concrete Blocks, Hollow Building (Clay) Blocks, Hollow Building (Concrete) Blocks, Silo Blocks and Tackle Blowers and Recleaners, Grain Boilers, Heating Plant Brake Lining Brazing Compounds Brooders Broom Makers' Tools Buckets, Hoisting and Dumping Brushings Butter-Making Machines Cane Mills Carriages Carriers—Ensilage, Feed, Litter and Manure Carriers, Hay Chains Churns Cider Mills and Presses Clippers, Horse Clutches, Friction Coatings, Cement (Colors) Coatings, Roof Concrete Mixers Conveying Machinery Cookers and Steamers, Feed Corn Binders Corn Crib, Portable Cotton Crop Implements Conifers, Rolling or Knife Couplings Covers, Stack Cranes, Hand Power Crankshafts Crushers, Cotton Seed Crushers, Limestone Cultivators, Disk Cutlery Cutters, Corn Cutters, Ensilage and Fodder Cutters, Root Cutters and Huskers, Corn Dehorers Derricks, Hand Power Diggers, Potato Ditchers and Levelers Ditching Machines— File, Horse Power Ditching Machine— File, Traction Dog Tread Powers, Door Hangers, Barn and Garage Door Hardware Drags, Road Drains, Floor Drilling Machines, Well Drills, Breast and Hand Drills, Grain Dryers, Corn Dumbwaiters Dumps and Elevators, Grain Dusters—Dry Powder, Cotton, Tobacco, Etc. Electric Lighting Plants, Farm</p>	<p>Elevating Machinery, Grain Engine Jacks Engineering and Surveying Instruments Engines, Alcohol Engines, Binder, Gasoline Engines, Gasoline, Portable Engines, Kerosene Engines, Stationary Ensilage Cutters Ensilage Harvesters Evaporators, Fruit Fanning Mills Feed Carriers Feeders, Hog Felts, Deadening Fence Posts, Steel and Iron Fence Stretchers Fencing, Farm and Field Filters Fire Extinguishers Forges, Farm, Portable Forks, Hay Fuel Economizers Furnaces, Annealing and Hardening Garage Hardware Garden Tractors Gas Lighting Plants Gates, Farm Gears and Pinions Generators, Acetylene Governors, Speed Graders and Cleaners, Grain Grapple Grinders, Fodder and Feed Grinders, Sickle and Tool Grinding Compounds Harrow Harvesters, Bean Harvesters, Corn Harvesters, Ensilage Harvesting Machinery, Binders, Grain Harvesting Machinery, Harvester and Thresher Combined Harvesting Machinery Headers and Binders Combined Hay Crop Implements Hay Slings Hay Track Heaters, Garage Heaters, Tank Heating Plants Hog Waterers Hoists, Chain Huskers, Corn, Power Hydraulic Rams Ice Chests Ignition Systems Incubators Irrigating Pumps Jacks, Lifting Knives, Hay, Etc. Ladders Lath, Expanded Metal Levels, Builders' Lighting Fixtures Lighting Plants, Electric, Farm Lightning Rods Lime Spreaders Loaders, Hay Loaders, Wagon Lock Nuts and Washers Lumber, Metal Machine Shop Equipment Magnetos Milk Machines Mixers, Concrete Motors, Electric Motor Trucks Orchard Culture Tools Orchard Heaters Packing Paints Paint Spraying Machine Paper, Roofing and Sheathing Peanut Implements Planes, Carpenters' Planters, Corn and Cotton Planters, Corn, Hand Planters, Cotton Planters, Potato Plaster Board Plows Plows, Disk Plows, Ditching Plows, Gang Plows, Tractor, Gang Disk Plows, Tractor, Gang Moldboard</p>	<p>Plumber's Supplies Plumbing Fixtures Pneumatic Water Supply Systems Potato Implements Powers, Horse, Tread Preservatives, Wood Presses, Cotton Baling Presses, Hay Baling Pullers, Stump Pulleys, Friction Clutch Pulverizers Pumps, Air Pumps, Bucket Pumps, Centrifugal Pumps, Electric, House Pumps, Gasoline for Garages Pumps, Irrigating Pumps, Spraying Reapers Reamers Refrigerators Refrigerators, Iceless Rice Culture Implements Roofing, Asbestos Roofing, Asphalt (Ready) Roofing, Asphalt (Shingles) Roofing, Metal (Corrugated) Roofing, Wood Shingles Rope, Wire Rust Preventatives Sand Blast Machinery Saw Mills, Portable Saw Rigs Saw Mill Machinery Scales, Farm, Stock and Wagon Seed Cleaners and Graders Seeders Sewage Disposal Plants Sharpeners, Tool Sheep Shearing Machines, Hand and Power Sheets, Iron and Steel Shellers, Corn Shellers, Peanut Shovels, Steam Silo Doors and Fixtures Skylights Soldering Tools Sprayers, Hand Sprayers, Power Spreaders, Manure Spreaders, Straw Sprinkling Wagons Stable Fixtures Stack Covers Stackers, Hay Stains, Wood Stalls and Stanchions Starting and Lighting Systems Steamers and Cookers, Feed Steel, Structural Stretchers, Wire Stump Pullers Tank Heaters Tanks, Air Pressure Tanks, Pneumatic, Water Tanks, Steel, Gasoline and Oil Storage Taps and Dies Testers, Milk and Cream Testers, Seed Threshers, Grain and Seed Tile, Drain Tobacco Culture Imple- ments Tool Grinders Toys Tractors Trailers, Automobile Trailers, Motor Truck Truck Attachments for Autos Vacuum Cleaners, Portable Varnishes Ventilators, Barn, Steel Vulcanizers Wallboard Washing Machines, Electric Washing Machines, Hand Waterers, Stock Water Motors Water Supply Systems Welding and Cutting Apparatus Wheelbarrows Windmills and Towers Wire Cloth Woodworking Machinery</p>
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A HANDBOOK OF HELPFUL INFORMATION

to you!

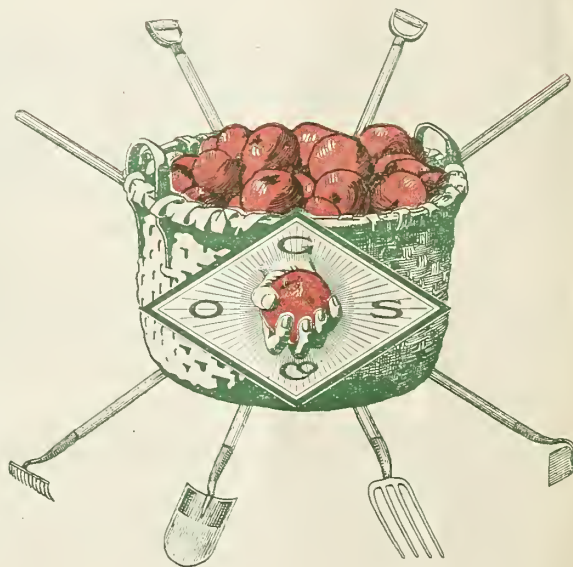
from the
**Orchard & Garden
Supply Company**

MANUFACTURERS AND DISTRIBUTORS

of
HORTICULTURAL EQUIPMENT

69 KING STREET

NORTHAMPTON, MASS.



*The True Test of
Economy is Quality*

In fact any item for Orchard, Garden, Field or Home use pertaining to our line.

"EVERY MAN WHO GROWS FRUIT SHOULD PRESERVE YOUR BOOK FOR HANDY, INVALUABLE REFERENCE"—H. C. Wooley

The above statement was made H. C. Wooley, the prominent fruit grower, following his examination of the advance printer's proofs, which we submitted for his criticism.

TO the best of our knowledge, this is the first book of its kind ever issued. Among the features which we believe you will find of especial interest, are:

1. Complete listing of everything in Tools, Equipment and Supplies that the practical grower can need.
2. Each article herein described has been adjudged—by agricultural experts and successful orchardists—as **the most efficient** in the work for which it is intended.

The selection represents, therefore, what fitly might be termed a **standard** equipment: that which, irrespective of commercial price-and-profit considerations, constitutes the **best equipment devised** for successful use and maximum results.

3. An improved, more economical method of buying.

WE have tried to make this book something more than a catalog. Our purpose has been to give it the value of an authoritative text-book and reference work, so far as it treats of essential conditions governing the use of all manner of equipment.

Moreover, we hope through it to acquaint you in a measure with the comprehensive service which the Orchard & Garden Supply Company is organized to offer, in co-operating with fruit growers who wish to produce highest quality fruit at lowest possible cost.

The most important part of this service consists in our enabling you—without your spending time or effort—to make sure of getting the world's best tools, implements and supplies that are most suitable for your work, and at the right price and without delay. We are able to do this, because—

- (a) We have a definite knowledge of the grower's needs.

Not only have we ourselves had practical farming and orchard experience, but some of the most widely known specialists and orchardists in the country have placed their findings at our disposal. And all this information is carefully checked up at our own experiment station—a 200-acre farm, including 4,300 fruit trees, in all stages of growth.

- (b) Our advantageous buying arrangements with the manufacturers of those goods which have been proved best by actual tests.

These manufacturers were quick to perceive the benefit that the growing industry might receive through a supply company conducted along progressive lines, and, almost without exception, went out of their way to offer us support in a worthy undertaking.

- (c) Low overhead expense, small profit per item, and an economical distribution system.

We prefer to impress customers by the value solely of our wares and service. All goods capable of being sent by parcel post and

small express shipments, are shipped from our headquarters. All articles for freight, or large express shipments, are sent direct from the factories where they are made, or from our warehouse near Springfield, Mass., preventing delays and reducing warehouse expenses and breakages to a minimum.

- (d) Our Cash Payment Policy.

We buy and sell for cash. The economies of this method—which eliminates costs of collection and involved bookkeeping, and enables us to take advantage of discounts—are too well known for detailed enumeration. It makes lowest prices possible.

You will note that while we make no pretense of selling goods at "bargain" prices, yet our prices actually are as low as, or lower than, those quoted for any "similar" goods on the market. A comparison with other price quotations will demonstrate this.

And with every article we provide, you have guaranty—absolute assurance—of its quality and efficiency. As a matter of fact, you are not interested primarily in, say, the implement itself, but what it will do: the service it will give. Such service is made up of units of fitness of the work; ease, speed and economy in operation; comparative freedom from repairs, etc.; durability.

All Orchard & Garden Supply Company goods have been selected on this basis of service. Where a modest-priced article will serve every practical purpose, we have listed it instead of a more expensive article which, upon thorough test, shows no appreciable advantage in kind and length of service. On the other hand, we have deliberately excluded certain articles that sell widely but which, under repeated tests, do not compare favorably with higher-priced

goods that do the work more efficiently, last much longer, and pay you decidedly better in the long run.

We say unequivocally that in whatever you buy from the Orchard & Garden Supply Company,

"A service that is unique, yet one that has long been needed."

—G. A. DREW

you secure the most units of service, at the lowest price possible.

It is our desire to encourage growers to buy consistently on this service-unit basis. We regard it of the utmost importance. A little saving in time, effort, energy—a little better work—a little money-savings: each in itself may not seem impressive. But the total of many such items, found here and there throughout your equipment and your work, may mean a substantial addition to yearly income. Nor is a "little" difference always as trivial as may appear. In growing especially, great results often hinge on smallest details.

The experimenting upon which a customer might otherwise spend considerable time and money, all has been done for him by our experts.

To achieve greater service-unit value, we even have altered a number of designs and had new articles made up for us specially.

In this connection, we wish to express our appreciation of the assistance rendered by agricultural specialists and orchard owners, who disinterestedly gave of their time and experience, together with the promise of continued co-operation. They have seen our enterprise in the light of a clearing-house or exchange for fruit growers' information regarding the most modern equipment and its proper use; and have made willing contribution.

No work ever is finished, perhaps. Perfect as it sometimes may seem, other years and fresh experience often bring improvements. We invite your suggestions and criticisms, at all times. Bear this in mind: every contribution that works for the betterment—the higher standing—of the industry as a whole, also works to the advantage of each individual fruit grower.

We shall make only brief reference to

OUR ADVISORY DEPARTMENT

—which concerns itself exclusively with the grower's problems. Full description of the free service it offers, will be sent you upon request.

"FRUITE-DOCTORING"

A certain well-known authority—now on our unofficial consulting "board"—has paid the Orchard & Garden Supply Company this graceful compliment:

"My first understanding was that you were conducting a mail order business on growers' supplies—and I thought that was fine. We have need of specialists in this line who know the grower's exact requirements, and hold his interests at heart. As I learn the scope of your service, however, more and more I come to think of you as Doctors, with the whole industry potentially your client and the service you render out of all proportion to the modest 'fees' you exact—fees represented only by your very reasonable profits on the supplies you furnish."

While such praise belongs more appropriately to our volunteer associates whose counsel and generous aid have perfected the work, it does define our ideals in the matter and the reputation we hope to earn. A "mail order" method of distribution largely was adopted simply because it furnishes a "salesman" that most economically and rapidly covers the widest possible territory.

Our policy is permanent. To show most effective results, however, it should have your co-operation and that of your neighbors.

A candid word from you as to your opinion of our plan,

and any suggestions or constructive criticism you may care to offer, will be heartily welcomed.

Yours, for better growing,

THE ORCHARD & GARDEN SUPPLY COMPANY.

For Bank and Commercial References of
ORCHARD & GARDEN SUPPLY COMPANY,
communicate with
FIRST NATIONAL BANK

Northampton,

Massachusetts.

HOW TO ORDER

TO avoid mistakes, fill out Order Blank clearly (preferably "printing"). Always list number, name and price of article exactly as given in catalog.

Enclose check, money order, cash by registered letter, or—where purchase does not amount to more than one dollar—send stamps if you desire.

We do not pay transportation charges unless so stated. When goods are ordered for parcel post shipment, consult zone table and enclose the proper postage. Freight and express shipments are made direct to your nearest station, where you pay transportation—except where you have no freight agent, in which case we will prepay freight and send you bill for same.

Should you receive goods in a damaged or broken condition, accept them under protest. Have agent note the damage and send receipt to us, describing the damage. We will then do everything within our power to adjust the matter to your entire satisfaction. Should you for any reason desire to return any goods, write us first. We then will send you directions and shipping tags.

DOMESTIC PARCEL POST RATES

Within the U. S. and Possessions

Zones from Northampton, Mass.	For First Pound Allow	For Each Additional Pound Add
First Zone, within 50 miles.....	\$0.05	\$0.01
Second Zone, within 50 to 150 miles.....	.05	.01
Third Zone, within 150 to 300 miles.....	.06	.02
Fourth Zone, within 300 to 600 miles.....	.07	.04
Fifth Zone, within 600 to 1000 miles.....	.08	.06
Sixth Zone, within 1000 to 1400 miles.....	.09	.08
Seventh Zone, with 1400 to 1800 miles.....	.11	.10
Eighth Zone, over 1800 miles.....	.12	.12

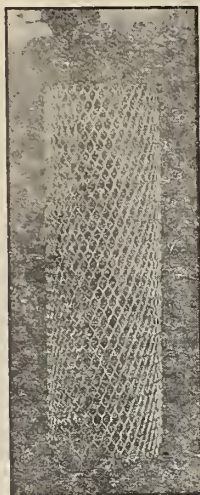
A GUARANTEE THAT DOES PROTECT

We hereby guarantee that all goods conform to catalog descriptions, and will satisfactorily do the work for which they are intended. We sell with the express understanding that should the goods not equal or surpass all claims we have made for them, we will take them back and refund your money with freight both ways,—or exchange for goods that WILL give entire satisfaction.

If you receive more than one copy of this catalogue, please hand the surplus to an interested friend

DIAMOND TREE GUARDS

THE BEST AND LOWEST PRICED GUARD



Anyone in the market for the best tree guard that money can buy, will not go wrong in purchasing the Diamond Tree Guards. Not only are they superior to the woven wire guards in many ways but they actually cost considerably less. Although the cost of all steel products has gone up since we started to make the Diamond Tree Guards, we have enlarged our output so that we can sell almost at last year's prices. Last year we sold a great many guards. This year we are planning on three times the output of last year because of the satisfaction they have given. Read the letters. They are typical of the enthusiastic reception given the Diamond Tree Guard.

CONSTRUCTION

They are made of steel, not iron, and of one piece of material, not soldered like woven wire. The mesh is $\frac{3}{8}$ inch between centers. The smallest mouse could not crawl through.

DURABILITY

The material foot for foot weighs almost half again as much as woven wire. Which means that when eventually the coating of zinc is gone, which alone will take years, there will be so much more material to withstand the effects of rust. There is an extra heavy coat of zinc galvanized on. The individual strands are wide and stout. When formed into shape the guards are very solid and not easily bent. They have almost the stiffness of a stove pipe and are exceedingly durable.

PERFECT PROTECTION

The main requirement of a guard is that it excludes the smallest mouse, as well as a rabbit, woodchuck, etc. These will do it. Many growers wind them extra tight and allow them to spring snugly around the trunk which will prevent mice from crawling down the top, a thing which infrequently happens. The edges of the mesh are square, not round and the surface feels rough, thus further discouraging the animals.

EASE OF APPLICATION

Diamond Guards are quickly and easily applied. When bent they take a naturally circular form, eliminating angles and corners. When once bent into form they almost stay without fasteners, although for safety's sake these should be used. The long way of the mesh runs up and down the tree and the guards bend only the narrow way. Hence, when formed the guards hold their shape rigidly and can be applied very rapidly.

THE PERFECT FASTENER

To all who have used the ordinary hair-pin type fastener on woven wire guards, our Perfect fastener will be a revelation. To apply, all that is necessary is to put the ends of the guard together with two strands in line and push the fastener over the strands and it is there to stay until the tree outgrows the guard. Then the tree will pull the fastener loose and not choke the tree. Perfect fasteners are made of Bessemer spring steel wire heavily galvanized. We furnish many to growers for their old woven wire guards. And they are easily removed, if necessary, with a pair of pliers you need only to pull lightly and turn the wrist a half turn and the fastener is off.

DIRECTIONS FOR APPLYING DIAMOND TREE GUARDS

1. Hoe out all trash and grass from close to the trunk and leave loose soil.
2. Take flat guard, and roll it into a cylinder smaller than the completed guard will be—for 4 inch guards make a $2\frac{1}{2}$ inch circle; for 6 inch, a 4 inch circle; for 8 inch, a 5 inch circle. Roll the guard up tightly.
3. Allow guard to spring open and then lap the inner edge just over the outer edge. This will hold the guard almost without fasteners.
4. Take fastener by back, having two strands of the wire guard in line. Then place the ends of the fastener straddling the strands of wire, and push and twist half way around. Let go of the fastener and it is there to stay. To remove simply pull fastener off by twisting.

5. Place Guard firmly in the soil and if the soil is uneven see that there is no place a mouse can crawl underneath, as mice work close to the ground. Having the guard $\frac{1}{2}$ inch in the soil or more tends to discourage mice tunneling, and pine mice from working around the roots.
6. During summer pull guard up tree to lowest limb, and fasten it to allow for cultivation, and to prevent denting the guards by passing tillage implements.

PRECAUTION. Often times windstorms bend young trees considerably. In winter when bottom of guard is frozen in ground or ice, the bark of the trunk may be scratched by rubbing against upper edge of guard. Therefore bend the upper edge of guard outward slightly, making it funnel shaped.

DIAMOND TREE GUARDS

COST

Compare these prices with those of any other guard. They are three-quarters the price of the woven wire and less than you can buy woven wire by the roll for, to say nothing of cutting it off. Compared to veneer or paper they cost much less considering the labor of putting on veneer or paper every year and the Diamond Guards look so much better.

Use 8 inch size. No four inch tree is immune to mouse attacks. It is poor economy to constantly change guards for larger ones.

*Note: While we endeavor to send guards of uniform height, the same will vary from 1 to 2 inches on different shipments, owing to the fact that a certain length of metal cannot always be expanded to a given length.



SIZES AND PRICES

Size Dia. Height	Less than 100 ea.	Price per 100 when purchased			
		100	500	1000	at a time
No. 1—4x15-16*	\$0.10	\$ 8.15	\$ 7.85	\$ 7.50	
No. 2—4x18-20*	.11	9.15	8.80	8.40	
No. 3—4x24	.15	11.90	11.40	10.90	
No. 4—8x15-16*	.13	15.30	14.65	14.00	
No. 5—8x18-20*	.20	17.20	16.45	15.70	
No. 6—8x24	.25	22.50	21.60	20.60	

F. O. B. Northampton, Mass. Prices include fasteners. Sample of material gladly furnished upon request.

These prices apply on shipments by freight only; if express shipment is desired, please add 50c per 100 to cover packing charges.

THE PAST SEASON

many of us wished we had locked the door before the horse was stolen. We found that bridge grafting was an expensive operation and not permanent or sure. The old truism about the ounce of precaution, holds good here. Who knows how soon another winter like last, will give the mice and rabbits another chance?

Of all the ways of protecting trees from mouse and rabbit damage, the wire tree guard has been found to be the most permanent and cheapest in the long run. Many ways have been tried but where the grower can stand the expense of putting on one sturdy protector and leaving it, until it is out-

grown, this probably is the nicest way of protecting trees from mice, rats or rabbits and the lowest costing insurance to date.

Wire guards present the very neatest appearance and show the orchard is receiving good care. They allow the sun and air free access and will not cause sunscald as some dark substances do. Once applied they need never be removed until the tree has outgrown them. For this reason it is advisable to buy the larger size because no tree is immune from attacks until the trunk is at least six inches through. And it is not an unusual sight to see 6 or 8 inch trees completely girdled. This past season many growers had trees 8 and 10 and even 12 inches entirely girdled regardless of their thicker bark.

ORDER EARLY

Last year we prepared to ship 100,000 of our Diamond Tree Guards during the season. Yet our orders exceeded this supply by double the amount. This year we contracted for sufficient material to cut 300,000 Diamond Tree Guards, and

expect to be able to fill all orders for same promptly. However, we advise all Growers who wish to put the same on the tree in the early fall to send in their orders as soon as possible. All orders will be booked for shipment in the order received.

APPLECREST FARM CO.
Hampton Falls, N. H.,
July 19, 1923.

83 Buckingham St.,
Springfield, Mass.,
Oct. 10, 1922.

Boston,
June 19, 1923.

Middlebury, Vt.,
June 27, 1923.

Gentlemen:

I am very pleased to give the Diamond Tree Guards an enthusiastic recommendation and by the way I have not received your catalogue for this season.

The two thousand (2,000) Diamond Tree Guards which I used last fall proved to be the best thing for the purpose that I have seen or used. They held their shape, did not rust and afforded absolute protection. When in the market I shall give you a repeat order.

Yours very truly,
Walter B. Farmer.

These guards, by the way, are as much superior to the old wire guards as are power sprays to hand sprays. So, at least, my initial experience with them convinces me. The men next my orchard in Ashfield are getting a thousand of them to add to the old kind.

Sincerely yours,
Theodore M. Pease.

Dear Sirs:—

Replying to yours of the 16th, the Diamond Tree Guards which I bought of you last autumn were satisfactory in every respect.

Yours very truly,
J. S. Goodale.

Dear Sirs:

Please send me the best prices on your diamond tree guards like I got last year. They were quite satisfactory and I am needing some more at once. Can you make prompt shipment?

Albert J. Livezey,
Barnesville, Ohio.
R. No. 1.

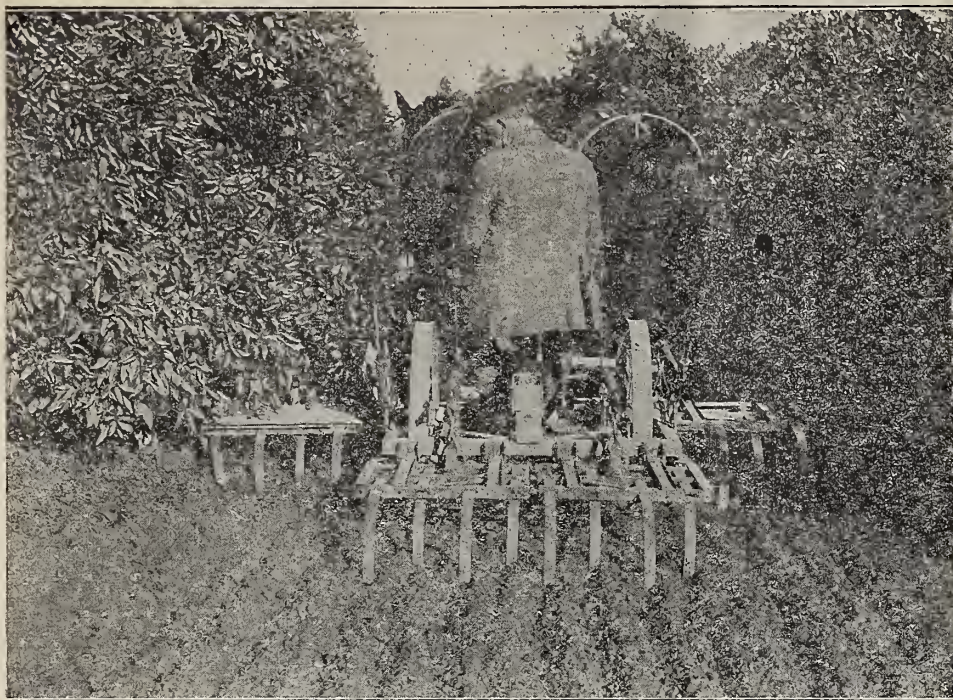
Gentlemen:

The 2600 Diamond Tree Guards we purchased of you are giving good service. They are apparently rust proof, very strong wire, and stay in place without fasteners.

We will be in the market for as many more this fall.

Yours very truly,
Belmont Farm Orchards,
Per C. L. Witherell.

Light Draft Forkner Cultivators



The successful orchardist gives his soil and trees the same careful attention the grower of large yields of grain or vegetables gives his seed and root beds and the growing crops.

If maximum yields of choice fruit are produced it not only requires correct pruning at the proper time but as nearly as possible the complete control of moisture which is absolutely essential for the maximum growth and yield of fruit trees.

The only assurance of having an adequate supply of moisture at all times is the preparing of the soil so it will absorb the rainfall and retain it for the benefit of the trees.

Light Draft Forkner Orchard Cultivators will do satisfactory work under very unfavorable conditions and are guaranteed to give satisfaction where others fail. Special consideration is given to the equipping of our machines for particular work in order that no injury will result to trees or fruit.

Oftentimes it is necessary to cultivate when trees are loaded and no mat-

ter how low the tree branches hang or how heavily laden with fruit, our fruit shields are an absolute protection and orchards can be cultivated satisfactorily, even though branches touch the ground as shown in the orchard scene above.

"You can send a man into a ten-acre block of orchard in the morning and he is back at noon with the job done."

Prof. F. C. Sears.

Price List F. O. B. Factory, Marshalltown, Iowa

Catalog No. of Machine		Cutting Width	Number of Teeth	Kinds of Teeth	Shipping Weight	Price
No. 8—6	One Horse	3 ft. 9 in.	8	No. 2	335	\$57.50
No. 9—8	Riding	3 ft. 9 in.	8	No. 2	290	52.00
No. 10—10	1 Horse Guiding	4 ft.	8	No. 2	145	27.50
No. 11—14		6 ft. 6 in.	14	No. 2	470	72.00
No. 12—14		7 ft. 6 in.	16	No. 2	490	76.00
No. 13—14	Improved	6 ft. 6 in.	14	No. 2	355	60.00
No. 14—14	Improved	7 ft. 6 in.	16	No. 2	380	64.00
No. 15—28		10 ft.	16	No. 2	535	80.00
No. 16—28		11 ft. 6 in.	18	No. 2	555	85.00
No. 17—32		11 ft. 6 in.	18	No. 2	600	90.00
No. 18—32	Special	11 ft. 6 in.	18	No. 9	640	95.00
No. 19—45		15 ft.	24	No. 2	900	130.00
No. 20—45	Special	15 ft.	24	No. 9	980	145.00
No. 21—20		7 ft.	20	No. 6	530	90.00
No. 22—34		11 ft. 6 in.	34	No. 6	1250	175.00
No. 23—34	Improved	11 ft. 6 in.	34	No. 6	920	150.00
No. 24—47		15 ft.	47	No. 6	1500	210.00
No. 25—47	Special	15 ft.	47	No. 6	1600	225.00
No. 26—47	Improved	16 ft.	47	No. 6	1320	200.00

Above prices do NOT include HITCH, POLE OR NECKYOKE, except on No's. 14 improved long pole is furnished. All other machines except No's 6, 8 and 10, price includes double wheel tongue truck.

Machines ordered less regular equipment as listed, such deductions will be made at 15% less list prices.

Prices of Parts and Attachments on Request.

WE GUARANTEE

CARR GRAVITY GRADER

To save its cost in sixty days fully operated over any method you may employ

Some Outstanding Facts

AT LAST AND A SUCCESS—SIZING by actual measurement—only natural way.

CAREFUL handling of the most tender variety.

EFFICIENT sorting table under perfect control (ALWAYS).

HANDLES Apples, Peaches, PEARS, TOMATOES, Oranges, ONIONS, LEMONS, CANTALOUPEs, Grape Fruit and Cocoanuts.

UNIVERSAL in packing of barrels, boxes, baskets, hampers, crates and sacks.

ADJUSTMENT to fit all conditions—quick—accurate.

CAPACITY is unlimited—add more Universal Units.

MODELS—All are the same: A standard for all kinds of Fruit or Vegetables.

A CARR GRADER to suit your conditions and a price to suit your POCKETBOOK.

SECOND to NONE in EFFICIENCY and the MOST for the LEAST in Price.

WRITE FOR SPECIAL CATALOGUE GIVING FULL DESCRIPTION AND PRICES, OR COME AND SEE IT AT OUR WAREHOUSE

IF YOU LIKE MONEY YOU WILL LIKE THE CARR GRADER—IT WILL SAVE YOU MONEY

THE CARR GRADER

For a Fruit and Vegetable Sizing and Distributing Machine that will handle Apples, Peaches, Oranges, Tomatoes, Onions, Turnips, Grape Fruit, Cantaloupes or any Fruit or Vegetable that is of a similar nature.

It will pay any grower who has fruit or vegetables to handle to investigate this machine before placing your order elsewhere. The capacity of this machine is unlimited and it will not cost you any more than any other machines now on the market with not half the capacity and from one to ten times more trouble to operate. This Carr Grader is so simple that you do not have to import a man from the factory to take care of the machine when once it is set. Your troubles are over for the entire packing season. It is built strong and out of heavy material and will stand a long term of hard service.

It is so designed that, as your crop increases, you can add to your machine and make it larger without additional cost to you.

We have everything to offer you that any other machine has, and so many more valuable features that there is no comparison with other machines now on the market to the Carr Grader.

A FEW "NOS"

NO other machine on the market with anything like the capacity of the CARR GRADER, with as few parts. It has NO weights to bother with, NO springs to worry you, NO timing to get out of time, NO chain to wear out and replace. NO trouble to keep this machine running. NO chance for packing house crew to change machine sizing, NO expert needed to operate machine. The machine is built with Universal one Section only and to make a large machine, just add as many more sections as desired to get the capacity you want.

THE TEN COMMANDMENTS

- 1—Doing as good or better work than all others. "By Gravity."
- 2—Has from 1½ to 2 times the capacity of other machines of the same size. "By Gravity."
- 3—Handles the fruit or other product without danger of damage to the most tender variety. "By Gravity."
- 4—A machine built to last over a period of a long term of years. "By Gravity."
- 5—Does not require an expert mechanic to keep it in running order. "By Gravity."
- 6—Its flexibility to fit ALL requirements down to the smallest details. "By Gravity."
- 7—Built to fit the Small Grower as well as the Large Packing Houses. "By Gravity."
- 8—Has no Weights or Springs to get out of order. "By Gravity."
- 9—Built to handle from 100 to 5000 Boxes in one day in a Single Unit. "By Gravity."
- 10—We have but One Price to Everybody. "By Gravity."

SPECIAL TO SMALL GROWERS—MAKE A PACKING HOUSE OUT OF YOUR ORCHARD

It is the smallest machine we build. One Section with two grades and eight 12x38-inch bins to each grade. Designed to handle a crop of from 1000 to 8000 boxes. Two people can operate. Just the thing for you, small growers. Pack your own fruit and save the price of the machine in one season—and have the machine left for next year. You do not have to build a packing house to operate this little machine. Just a shed or a canvas is all you need. After you are through packing you can knock the machine down and store it in a dry place for the winter. The price of this One Section is \$135.50

We will build Special Models to fit your house and your output, but we do not recommend large machines. Write for prices and information on our power-driven conveyor. It conveys boxes on a 10 per cent grade, both ways. Conveyor built in portable and stationary styles. Its cost is less than gravity conveyors.

WE INVITE YOU if you are in the market for the following Packing House Equipment, to investigate our machinery before ordering elsewhere.

WE will give you special designs on BELT CONVEYORS and BELT ELEVATORS. Send your floor plans of system and we will mail you plans of elevators and conveyors to suit the construction of your house.

We have perfected a GRAVITY CONVEYOR. Have some in the field. These Gravity Wheel Conveyors will be economical to operate and much cheaper in price than anything ever offered the grower or packing house industry.

POWER DRIVEN CHAIN CONVEYORS

Operates on a 10% grade both ways. This is no experimental proposition; has been in use for fifty years. The transmission has never been applied in a simple manner to make it practical. We are building this Power Driven Chain Conveyor at \$3.60 per foot, including motor.

We are agents for the GENERAL ELECTRIC MOTOR COMPANY, also the CUSHMAN GAS ENGINE, and for several different makes of LADDERS. If you want PUMPING PLANTS to handle the spraying system, let us give you figures. We recommend the CUSHMAN ENGINE, the most reliable power plant ever perfected.

THE CARR GRAVITY GRADER

The carrier forms its own chain and sizing mechanism; the two joined together make a sizing chain of unlimited capacity. This machine can be built large or small to suit the needs of the purchaser. This machine sizes the fruit by actual measurement, the sizing device being operated by gravity as the carrier chain is being drawn over the bins. The feeding device is also operated by gravity. No mechanical device to get out of timing or out of order. There is no other machine on the market that can compare with its capacity. It handles the most delicate varieties of fruit without injury. The fruit is never dropped on hard surfaces.

All machines are equipped with Belt Type Sorting Tables, the only type of sorting table that enough fruit can be put across to supply the enormous capacity of these machines.

HIGH GRADE

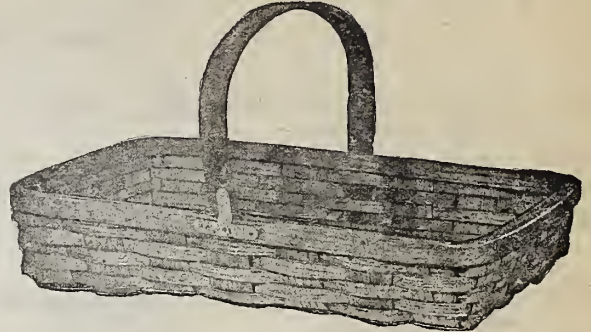
Splint, Rattan and Bamboo Baskets

BARREL BASKET



All Baskets
on this
page
shipped
direct
from
our
Connecticut
Factory

ASH BERRY PICKING BASKETS



No. 69— $\frac{1}{2}$ in. Filling.....Per doz. \$9.00

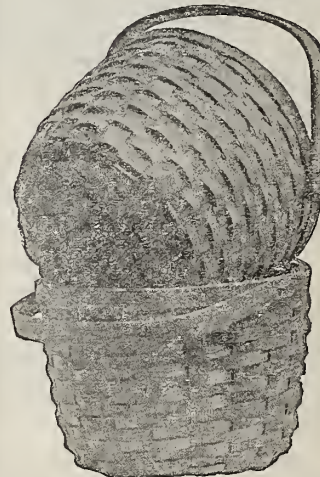
ROUND SPLINT AND BAMBOO BASKETS



No. 37—16 in. x 12 in. x $3\frac{1}{2}$ in. deep, per doz.....\$7.50
No. 88—18 in. x 12 in. x $3\frac{1}{2}$ in. deep, per doz..... 8.25
No. 89—21 in. x 12 in. x $3\frac{1}{2}$ in. deep, per doz..... 9.00
Add \$1.50 to list for iron over handle

ROUND PICKING BASKETS

Made with either stiff or swing handles



PLAIN

Oak
Per Doz.
No. 90— $\frac{1}{4}$ bushel....\$7.00
No. 91— $\frac{1}{2}$ bushel.... 8.25
No. 92— $\frac{3}{4}$ bushel.... 9.75

STRAPPED

Oak
Per Doz.
No. 93— $\frac{1}{4}$ bushel....\$8.25
No. 94— $\frac{1}{2}$ bushel.... 9.75
No. 95— $\frac{3}{4}$ bushel....11.25

$\frac{5}{8}$ Filling
Oak
Per Doz.

Bamboo
Per Doz.

No. 70—1 bushel.....\$14.40	No. 77.....\$16.65
No. 71— $1\frac{1}{2}$ bushel..... 19.50	No. 78..... 21.75
No. 72—2 bushel..... 22.50	No. 79..... 25.50
No. 73—3 bushel..... 31.50	No. 80..... 34.50
No. 79—4 bushel..... 40.50	No. 81..... 45.00
No. 75—5 bushel..... 49.50	No. 82..... 54.00
No. 76—6 bushel..... 58.50	No. 83..... 64.50

ASH COUNTER BASKETS



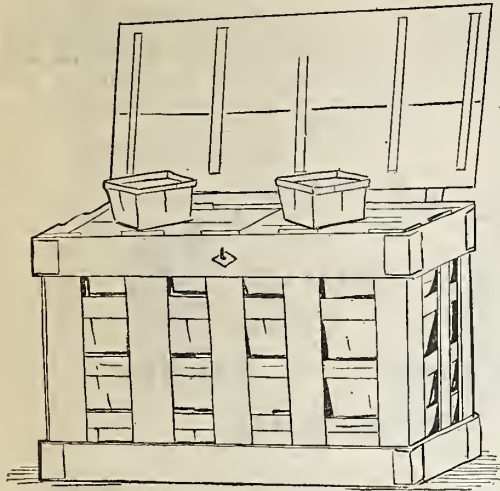
"SHELTON" DISPLAY BASKETS



No 84—16 in. x 10 in. x $3\frac{1}{2}$ in. deep, per doz.....\$6.00
No. 85—18 in. x 11 in. x $3\frac{1}{2}$ in. deep, per doz..... 6.75
No. 86—21 in. x 12 in. x $3\frac{1}{2}$ in. deep, per doz..... 7.50

No.	Plain	No.	2 Straps
17 in. x 11 in. x 4 in. frt. x 8 in. bk.	96 \$10.50,	100	\$12.00
19 in. x 12 in. x 4 in. frt. x 8 in. bk.	97 13.50,	101	15.00
21 in. x 13 in. x 4 in. frt. x 8 in. bk.	98 16.50,	102	18.00
23 $\frac{1}{2}$ in. x 14 in x 4 in. frt. x 8 in. bk.	99 18.00,	103	19.50

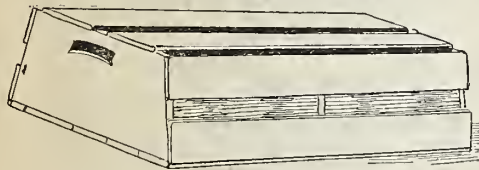
Crates and Carriers 32-Quart Crate and Dividers



No. 104—40 cents Each

Made from first-class stock, and will stand hard wear; well braced. May be used over and over again; not the kind that will be thrown away. Dividers or slats for berry crates are made in the following size: 32 quarts.

Asparagus Crate



8 1/2 inches deep, 18 inches wide at bottom, 15 inches wide at the top, 30 inches long, with one divider.

No. 105—Write for price quotations.



Till

Increasingly popular shape of basket; used for berries. Four sizes. No. 106. Write for quotations, stating size of Till needed.

We believe that with basket shipping, where the packages are sold on the open market, the package showing the most fruit will sell the best. Note this fact, in your consideration of the essentials of a good basket.

Stave Basket

One-Bushel size; with wire handles. Probably the most popular type of basket for packing that we have today. The greater portion of the fruit may be seen by looking at the top of the basket. Fruit ships better in it because it is not so deep.

Much better display may be had by using a basket of this type, than the old-fashioned, deep bushel hamper. It is equally well adapted for all fruit and vegetables; is very easily handled; will stand up well; and is worth money after it has been emptied of the contents. Made from carefully-chosen, properly treated material; inspected before shipment, unsurpassed by any other stave basket.

No. 107 with round star cover, per doz.....\$2.75

New Jersey Peach Basket



F. O. B. Factory, without Covers
Carefully made from selected stock;
round broad bottoms.

Sizes, per	100	500	1000
No. 108A—2 qts.....	\$7.00	\$30.00	\$50.00
No. 109B—4 qts.....	7.50	32.50	55.00
No. 110C—8 qts.....	8.00	34.00	58.00
No. 111D—10 qts.....	8.50	36.25	62.50
No. 112E—12 qts.....	8.50	36.25	62.50
No. 113F—14 qts.....	8.50	36.25	62.50
No. 114G—16 qts.....	9.00	37.50	65.00

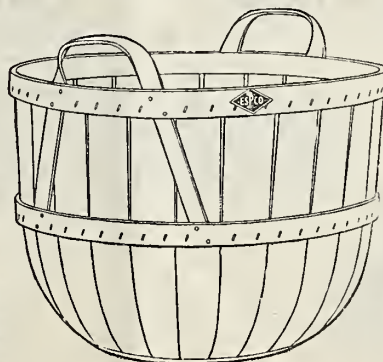
Special Types and Sizes of Baskets can be furnished. Write us your requirements.

Standard Berry Basket



Made in quart and pint sizes with corners open—or closed, for huckleberries and currants.

- No. 115—Qt. size, open corners.
- No. 116—Qt. size, closed corners.
- No. 117—Pt. size, open corners.
- No. 118—Pt. size, closed corners.



No. 119—Barrels

We furnish any type barrel you desire, and ship from factory nearest to you. Write for prices.

Barrel Shooks

Take less space. Put them together yourself. Save money. These are barrels which have been made up and heated, and then taken down for easy shipping and storing. A man can make up between 100 and 200 barrels per day from the shooks. He is sure of his supply and can usually save money. Write for prices.

No. 120—Shooks, standard apple barrels.

Lace Paper Circles

Make your barrels look attractive. These laces cost but little and they give to the top of the barrel a decorative, "display" touch that helps sell the fruit at a higher price. It has been demonstrated over and over again, that the mere addition of the circles has brought the price up sometimes as much as 50c per barrel. Anything you can do to advertise your apples as being the best, and to give them a stand of individuality, will help to make your name better known. You will find it pays.

No. 121—Sold in lots of 100.

Apple Barrel Cushion

Made of tough paper stuffed with excelsior, and used on the bottom of the barrel to cover the ends of the apples when the pressure of the press is applied. When barrel is turned upside down, the fruit rides on this excelsior as on a spring cushion, preventing jarring and bruising of the fruit. The same cushion that is used by most of the big packers and up-to-date orchard men.

No. 122—Prices on application.

Corrugated Cap

Used on the top of the barrel—which, of course, is the bottom when packing. The Lace Circle (if one is employed) is laid on top of the cap and the apples faced on circle. The cap corrugations prevent the jarring of the face and bruising of the apples. It is scarcely necessary to use a cushion on these ends, because the apples are smoothly faced, and there is less likelihood of bruising. Also the face end of the barrel which will be stenciled, is usually kept on top. Diameter of cap, 16 1/2 to 17 inches. Write for quotations.

No. 123—Bundle of 250 Caps.

BRASS STENCILS

For Apple Barrels and Boxes

Style A shows a Photograph of a well balanced barrel stencil as outlined in circular No. 50, issued by the State Board of Agriculture of Massachusetts, entitled Apple Grading and Packing, to produce this and to minimize the expense we recommend using 2 stencils like styles B and C shown below, style B is the same as style A except that the Grade, Size and Brand are left blank and style C should contain all the Grades, Sizes and Brands packed by you, so by using style B and then filling in the grade, size and brand with style C it enables you to get results with least expense. Style D is for Boxes and more compact.

STYLE A

STYLE B

A

MASSACHUSETTS

FANCY GRADE

MIN SIZE INCHES

ONE ST'D.BBL.

PACKED BY

HAROLD A. LEY,

GRANVILLE, MASS.

STYLE C

GREENINGS FANCY

BALDWINS A B

NORTHERN SPY 2 1/4 2 1/2

UNGRADED 2 3/4 3 3 1/4

MASSACHUSETTS
STANDARD
GRADE

MIN SIZE

INCHES

ONE ST'D.BBL.

PACKED BY

HAROLD A. LEY,

GRANVILLE, MASS.

STYLE D

MASSACHUSETTS
STANDARD

FANCY GRADE

MIN. SIZE 3 INCHES

COUNT 100

BALDWINS

Packed by

L. E. TOWNSEND
MALDEN, MASS.

Prices are governed by size and number of characters. There is a law governing size for apple barrel and box making, but we give prices of other sizes in case you need stencils for other purposes.

PRICE PER CHARACTER

No. 550— 1/4 inch.....\$06	No. 556—1 1/2 inch.....\$14	No. 562—3 1/2 inch.....\$30
No. 551— 3/8 inch..... .06	No. 577—1 3/4 inch..... .16	No. 563—4 inch..... .35
No. 552— 1/2 inch..... .05	No. 558—2 inch..... .18	No. 564—4 1/2 inch..... .40
No. 553— 3/4 inch..... .05	No. 559—2 1/4 inch..... .20	No. 565—5 inch..... .45
No. 554— 1 inch..... .06	No. 560—2 1/2 inch..... .22	No. 566—6 inch..... .60
No. 555—1 1/4 inch..... .08	No. 561—3 inch..... .25	

STENCIL COMBINATION

These sets contain set figures 1 to 9, letters A to Z, ink and brush.

No. 567—1 1/2 inch set.....\$1.20
No. 568—3/4 inch set..... 1.40
No. 569— 1 inch set..... 1.60

CIRCULAR STENCIL OUTFIT

This outfit contains stencil with figures 1 to 0, letters A to Z, fractions 1/4, 1/2, 3/4, period, \$, cent marks, ink and brush.

No. 571—1 1/2 inch.....\$2.00
No. 572—3/4 inch..... 2.50
No. 573— 1 inch..... 3.00



Stamps, Stencils and other marking devices and accessories made to order according to specifications. Ask for prices.

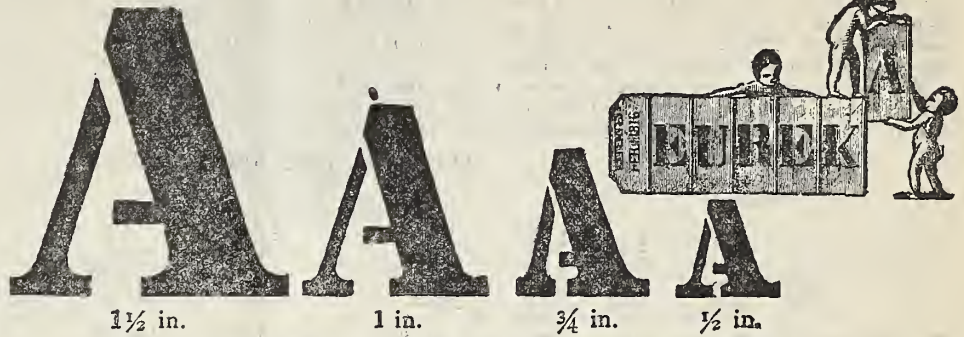
REESE'S ADJUSTABLE STENCILS

The illustration below shows how they slide together

There are cases where these separate piece stencils could be used to good advantage, they are put up with single sets of figures 1 to 0 or alphabets A to Z, or in assorted fonts containing an assortment of letters and figures. We only list here that could be used in apple barrel marking, but catalogue of all sizes will be sent on request.

No. 574—Set of $\frac{1}{2}$ inch figures...\$35 No. 577—Alphabet A to Z, $\frac{1}{2}$ in...\$.85 No. 580—70 Piece Set, $\frac{1}{2}$ in...\$2.00
 No. 575—Set of $\frac{3}{4}$ inch figures... .40 No. 578—Alphabet A to Z, $\frac{3}{4}$ in... .95 No. 581—Assorted Set, $\frac{3}{4}$ in... 2.20
 No. 576—Set of 1 inch figures... .45 No. 579—Alphabet A to Z, 1 in... 1.05 No. 582—Letters and Figures, 1 in. 2.45

Other sizes can be supplied



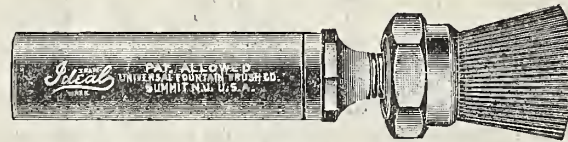
Liquid Stencil Ink

"Alpha" Brand

No. 583—Per Gal \$1.75

A high grade, oil bodied, water-proof Black ink, specially prepared for Fountain Stencil and Marking Brushes, Bradley Ball Marking Pots or ordinary bristle marking and stencil brushes.

Put up in gallon cans.



FOUNTAIN STENCIL BRUSH

An up-to-date device and time save and assures uniform marking. The ink is contained in the handle. Brush tip can be replaced at about one-third the cost of a new brush as the handle will outlast many tips. For best results use "Alpha Brand" Liquid Stencil Ink as some brands and home-made inks corrode or clog the valve and prevent you from getting good results.

No. 584—Price \$3.00

BRADLEY STENCIL AND MARKING POT

This pot may be used for both stenciling and marking. The ball in the center gives an even distribution of ink for the stencil brush, and there is a hole in the top for use with marking brush which provides the shipping clerk with whole outfit in compact form.

No. 585

Price 75 cents Each



Cake Stencil Ink

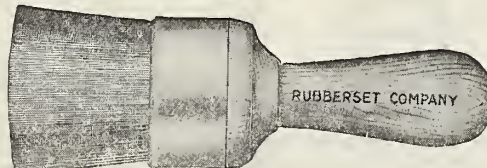


This ink is a hard paste put up in a tin box with sponge (as per cut).

No. 586

4 1/4 inch, 60 cents

Stencil Brushes "Rubberset"



The bristles in these brushes are set in rubber, which resists moisture and therefore will give a maximum amount of service.

No. 587—7/8 in. dia. \$.60 No. 589—1 3/8 in. dia. \$.80
 No. 588—1 1/2 in. dia. .70 No. 590—1 5/8 in. dia. .90

Stencil Brushes "Black Bristle"



These brushes are made with a good grade of Black Bristles set in cement and should not be allowed to stand in water.

No. 591—3/4 in. dia. \$.25
 No. 592—1 in. dia. .30
 No. 593—1 1/4 in. dia. .35
 No. 594—1 1/2 in. dia. .45

Summer Comfort in Winter with NEW IDEA Type "A" PIPELESS FURNACE

Winter has no terror for the happy owner of a NEW IDEA Pipeless Furnace. Snow may fall, winter winds may blow, and the thermometer may register way below zero—but all through the house Summer Comfort will make the family happy if there is a NEW IDEA Pipeless Furnace in the cellar.

The NEW IDEA keeps your house delightfully warm all over by circulating warm, moistened air to every room in the house. Where there is a NEW IDEA there is no "stiffness," no dry air—the NEW IDEA provides everything required for your health and comfort in the coldest weather.

Nature's own law of gravity is used in heating with the NEW IDEA. Within a few minutes after the fire is lighted, warm, moist air rises through the central part of the register

and the air circulation starts. The cold air is withdrawn from all parts of the house and the balmy, warm air flows into every nook and cranny. The warm air, circulating through the house, begins to lose its warmth and lightness and seeks the lower levels; and the law of gravity takes it back to the register, where it passes downward through the outer part of the register to the castings of the NEW IDEA.

Here is again becomes warm, absorbing moisture from the Air Moistener, rising and filling all the rooms. There is a continuous flow of moist, healthful warm air, maintaining an even temperature and bringing cozy comfort indoors while winter's storms rage outside.

SPECIFICATIONS AND CAPACITIES

Number		Diameter Firepot in Inches	Diameter Casings* in Inches*	Height of Casings in Inches*	Size of Feed Door in Inches	Size of Face Plate in Inches**	Smoke Outlet in Inches		Estimated Capacity Cubic Feet	Estimated Number of Rooms Heated
Steel Radiators	Cast Radiators						Soft Coal	Hard Coal		
No. 244—A338—A438		18	38	65 to 89	10 x 12½	24x24	8	7	5 to 9000	4 to 5
No. 245—A342—A442		20	42	67 to 92	10 x 13	28x28	8	7	9 to 12000	5 to 6
No. 246—A347—A447		22	47	69 to 94	11 x 13½	30x30	9	7	12 to 18000	5 to 8
No. 247—A352—A452		24	52	73 to 98	11½x14½	34x34	9	7	18 to 25000	7 to 10
No. 248—A356—A456		26	56	73 to 98	12½x14½	36x36	10	8	25 to 35000	8 to 12
No. 249—A362—A462		28	62	73 to 98	12½x14½	40x40	10	8	35 to 45000	10 to 14

*Heights given are for minimum and maximum cellar heights—Where cellar heights require higher casings, extensions may be ordered.

**NEW IDEA Type "A" Floor Plates—either Oxidized Copper Plated or Black Japan—have a guaranteed 80% free air space (see illustration and description on center page).

Always specify fuel to be used—Hard Coal—Soft Coal—Wood.

Each NEW IDEA Type "A" Pipeless Furnace is regularly shipped with Oxidized Copper Plated Register Face, but Black Japan Face Plate may be substituted at a reduced price if desired.

Each NEW IDEA Type "A" Pipeless Furnace is shipped complete, including triple galvanized iron casings, extensions, large air moistener, regulating chains for upstairs control, malleable iron shaker, wrought iron poker, galvanized tee joint, smoke pipe damper and complete direction for installation and operation. Shovels are not included. Write for descriptive folders and prices.

LADDER PRICES

No. 180—Plain Extension
up to 32 feet, 45c per foot
Over 32 feet, 55c per foot
No. 181—Pointed Single up
to 16 feet, 30c per foot
16 to 20 feet 40c per foot
Over 20 feet 45c per foot
No. 182—Open Top Single,
same as Pointed Single
No. 183—Three Legged
Fruit Step Ladder
65c per foot

Note: All Ladders
are made to order,
and are shipped di-
rect from factory in
Central N. Y., either
by freight or ex-
press. Prices are
F. O. B. Factory.

PLAIN EXTENSION LADDER
No. 180

With patented locking device. Simply necessary to pull the rope, the ladder rises and catches on each rung. Stop lock prevents it slipping back. Made as light as possible, yet strong and durable. Shipping weight, according to length.

No. 181—POINTED FRUIT-PICKING LADDER

Best design for general orchard work on tall trees. Made in the form shown by illustration, —with bottom of uprights flaring, therefore giving added stability, and coming to a point on a single extension at the top. It stands more securely than the open top ladder, when put against a tree-crotch, and is also much easier to tip up against a tree. Made of clear spruce, with Hickory rungs. Shipping weight, according to length.

No. 182—OPEN-TOP
LADDER

Plain, clear spruce ladder with hickory rungs. Strong and durable; flaring at the bottom to give added stability.

No. 183—FRUIT PICKING STEP
LADDER

First-class, well-made Ladder—used and recommended for picking fruit, by all the experienced. Lowest steps supported by rungs which run through from outside extension, thereby thoroughly bracing the ladder. This ladder forms a triangle,—having but three standards; it is therefore much easier to establish on uneven ground than a laddered with four standards. It is a strong ladder, of the best material and construction throughout. Steps broad and flat; easy to move and occupies but little room. Shipped from distribution point nearest to your farm. Shipping weight, according to length.

HEDGE TRIMMING MADE EASY

The SIMPLICITY HEDGE TRIMMER works so rapidly and easily that it makes frequent cuttings possible.

No experience is necessary to do a first-class job with the SIMPLICITY. Anyone can operate it, everyone wants to operate it when they see it.

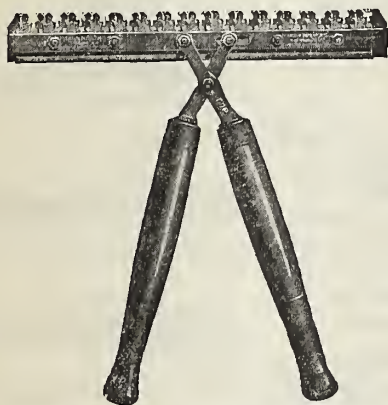
To get a thick, beautiful hedge, it is necessary to trim it often, at least every three weeks. When the hedge is trimmed, new shoots sprout out immediately back where the foliage is freshly cut.

The SIMPLICITY trims every variety of hedge grown. Will trim a hedge to any shape and cut desired.

Make your hedge trimming a pleasure by ordering a SIMPLICITY today.

SIMPLICITY HEDGE PRUNER AND TRIMMER

FOR PRUNING BACK OLD GROWTH AND TRIMMING NEW



This implement is the acme of Perfection, and far in advance of the present day Pruner or Lopping Shears.

To anyone who has ever pruned or lopped hedge or shrubbery with the old-fashioned pruner or lopping shears, there is no need to point out the revolution that came with this great invention. The SIMPLICITY PRUNER OR LOPPING TRIMMER.

With the SIMPLICITY you can actually do as much work in one hour as you formerly did in four hours with the old-style pruner or lopping shears.

SIMPLICITY cuts both opening and closing. Think of it! What a time and energy saver this is, with each complete movement of your hands you save 29 jolting, blistering and tiresome "whacks" the old pruner or lopping shear way.

It seems to work almost automatically and you must actually try it to realize how easy it works.

With its perfect balance and only three pound weight, besides SIMPLICITY'S sixteen inch width, it has 31 big, safe, keen fluted teeth cutting cleanly both when opening and closing.

The SIMPLICITY PRUNER TRIMMER can also be used for trimming with excellent results. Many home users have chosen it to do all their trimming.

No. 237—Price \$8.00

"CUTTING MORE SURFACE WITH MORE CUTTING SERVICE"

NEVER missing a blade of grass or a leaf of clover—did you ever see a modern mowing machine running merrily through a meadow, its many eager blades cutting, clipper-like, as they rapidly pass each other?

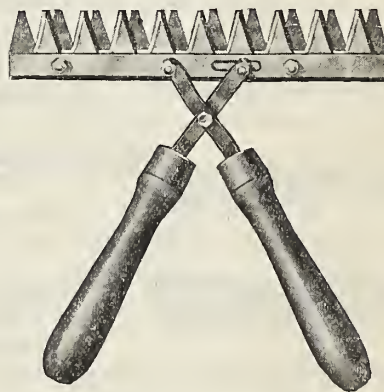
Then you've got the very idea we have built into the SIMPLICITY HEDGE TRIMMER (easy one-man power).

Just as "the man with the scythe" has found his primitive implement laid aside for the more modern machinery "The Mowing Machine," likewise the SIMPLICITY has come to do away with the slow and laborious method of hedge trimming.



SIMPLICITY HEDGE TRIMMER

FOR FRESH NEW GROWTH ONLY



This trimmer was designed and built to meet and satisfy the demand of thousands who have hedge of some sort around their homes.

The SIMPLICITY is the only trimmer successfully demonstrated and proved to be a wonderful advancement over the old-style hedge shear.

No experience necessary to cut a first-class job. Think of it! With each complete movement of your hands you actually save seventeen blistering, tiresome "snips" or "whacks" the old hedge shear way.

The trimmer is to be used only for cutting the new growth. Do not use it for cutting second year growths or pruning.

With its perfect balance it really seems to work almost automatically; for, besides SIMPLICITY'S two-pound weight and twelve-inch width, it has 19 big, safe, keen teeth, cutting cleanly both when opening and closing.

And that's just why the SIMPLICITY HEDGE TRIMMER is making thousands of new friends at this season of home hedge-trimming.

SIMPLICITY'S are made of the Finest High Grade Carbon Steel and will give you long service and satisfaction.

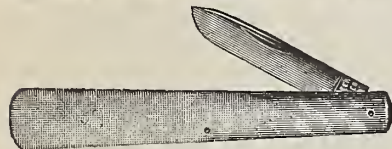
No. 238—Price \$5.50

"Ulster" Pruning, Budding, Grafting and Nursery Knives

Scientifically designed to secure individuality and lasting merit. Materials selected from the best procurable. Blades forged from finest crucible steel, hardened and tempered by a process proven by years of experience to be the best. Assembled and constructed by experienced cutlers. Inspected by experts qualified to detect the slightest imperfection in details. All edges are honed to a razor sharpness, ready for instant use. Our factory and machinery are the most modern and up-to-date that can be obtained. Workmen are 100 per cent American. Ulster Knives must never be sharpened on a wheel or dry stone. To get the best results an oil stone should be used and blade held at an angle of twenty degrees to secure good cutting edge. Ulster Knives are guaranteed against flaws and imperfections, and any defective knife will be replaced or repaired if knife has not been reground or subjected to rough usage.



One blade, Pruner, wooden handle, glazed blade, 3 1/4 inch long.



One blade, Budding, White Bone Handle, glazed blade, 4 inch long.



One blade, Sheepfoot or Grafting, White Bone handle, glazed blade, 4 1/4 inch long.



One blade, budding, Cocobola handle, glazed blade, 4 inch long.



One blade, Pruner, Cocobola handle, steel lining, steel bolster, glazed blade, 4 1/2 inch long.

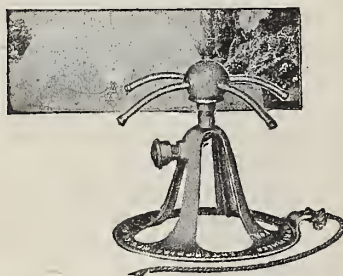


One blade, Pruner, Cocobola handle, Steel lining, Steel hollow bolster, glazed blade, 3 3/8 inch long.

"Enterprise" Lawn Sprinkler

No. 136

Height, 9 1/2 inches
Base, 10 inches diameter
Packed 1 in a carton
Weight, 9 lbs.
Price \$9.00



Two to five pounds pressure will throw a heavy spray over an area of about 12 feet; thirty to forty pounds over an area of about 20 feet. The "Enterprise" Lawn Sprinkler is built to stand rough usage and neglect. "All you have to do is couple up your hose and turn on the water."

The photograph indicates the efficiency of the "Enterprise." With four arms, it covers a wide area and covers thoroughly. The water falls evenly, like a steady, penetrating, earth-softening rain.

The "Enterprise" Lawn Sprinkler is moved from place to place without shutting off the water, provision therefore being made by the "Enterprise" sled base with cord attached. It cannot fall over like a high-stand sprinkler.

The perforations do not fill up—the water passes through a strainer. Over and above its superior durability and efficiency, the "Enterprise," with its beautiful fountain effect, is a lawn ornament much to be desired, and is therefore greatly in contrast with other sprinklers. There is little wear on running parts—they are supported by the water.

The base is TINNED and the sprinkler top brass nickered, thus making the sprinkler rust-proof.

No. 225
75 cents

Postage extra

No. 226
\$1.00

Postage extra

No. 227
\$1.25

Postage extra

No. 228
40c

Postage extra

No. 229
\$1.25

Postage extra

No. 230
\$1.00

Postage extra

No. 231
75 cents

Postage extra

One blade, Budding, Ebony handle, steel lining, steel bolster, glazed blade, 3 3/8 inch long.

No. 232
\$1.75

Postage extra

One blade, Budding, Black Buffalo Horn Handle with Ivory spoon, brass lining, nickel silver bolster, glazed blade, 4 3/8 inch long.

No. 233
\$1.75

Postage extra

Two blades, Pruner and Budding, stag handle, steel lining, steel hollow bolster and cap, glazed blade, 4 inch long.

No. 234
\$2.50

Postage extra

Three blades, Pruner, spear and pen, cocobola handle, brass lining, nickel silver bolster and cap, half crocus polished blade, 3 3/8 inch long.

No. 235
\$2.00

Postage extra

Three blades, clip, grafting and budding, stag handle, brass lining, nickel silver bolster and cap, half crocus polished blade, 3 3/8 inch long.

No. 236
\$2.00

Postage extra

Three blades, spear, sheepfoot and Punch, stag handle, brass lining, nickel silver bolster and cap, half crocus polished blade, 3 3/8 inch long.

STEEL TAPES

IN LEATHER CASE

No. 184—Steel Tape in rustproof steel lined hard leather case with nickel-plated trimmings. Flush handle. Tape is 3/8 inch wide. Quick reading method in feet, inches and eighths. Accuracy guaranteed.

No. 185—Same as 184 with patent angle attachment.

No. 186—Same as 184 except marked in feet, 10th and 100ths, no quick reading.

No. 187—Same as 186 with patent angle attachment.

See below:

Length, feet.....	25	50	75	100
Shipping weight, oz.....	8	12	16	20
Price, each	\$2.75	\$3.50	\$4.75	\$6.00

IN STEEL CASE

No. 188—Strong steel case, nickel-plated, flush handle, which flies open when tape is pulled out. Marked in feet, inches and eighths, with the foot figures place before each inch mark.

No. 189—Same as 188 with patent angle attachment. See below.

No. 190—Like 189 marked in feet, tenths and hundredths.

No. 191—Same as 190 with patent angle attachment. See below.

Prices for the above numbers are the same. State Number.

Length, feet.....	25	50	75	100
Shipping weight, oz.	7	11	15	19
Price, Each	\$2.25	\$3.00	\$4.25	\$5.00

SEARS PATTERN—Designed by Prof. F. C. Sears of Mass. Agri. College, recognized authority. They will cut quickly, are of heavy steel, and have large handles for use with glove on hand. We have had a great demand for the following three styles, and have many letters from satisfied users, who prefer them to the exclusion of all other types. Good common sense saws.

NO. 42—26 INCH LONG—\$3.00



6 in. wide at butt; 1 in. at point; 6 teeth to the inch; 2 lbs.

NO. 43—24 INCH LONG—\$2.75



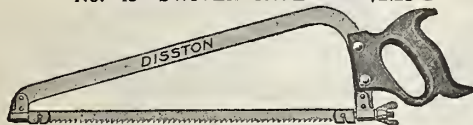
4 in. wide at butt; 1 in. at top; 6½ teeth to the inch—1½ lbs.

NO. 44—15 INCH LONG—\$2.10



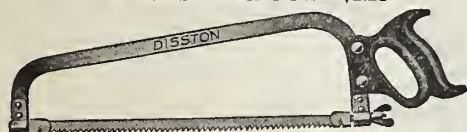
2½ in. wide at butt, tapering to point. 8 teeth to the inch. 1 lb. **SWIVEL SAWS** are becoming more popular each year. They are our largest seller; convenient, light, with changeable blades, quick cutting, and on account of the swivel may be worked in crotches without the least danger of barking the remaining limb. Extra blades are cheap and may be sharpened in spare time. On this account, these saws are economical of time.

No. 45—SWIVEL TAPERED—\$2.25



14 in. long. This saw is preferred by many to the next—46, because it is not necessary to swivel the blade as often in working in tight places. It will not allow one quite so long a stroke on a large limb, but is more often given preference. All a question of individual taste. Quality in both—the usual Disston quality. 2 lbs.

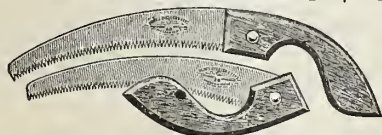
No. 46—SWIVEL BOW—\$2.25



Same as 45 except as having less taper. This allows for longer cuts on large limbs. It is the same saw except for this and has not been quite as popular as the former. Many growers prefer it, however. 2 lbs.

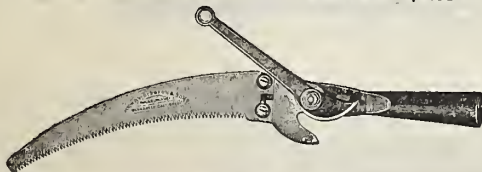
No. 47—BLADES for either 45 or 46, each.....35 cents

NO. 48—CALIFORNIA FOLDING—\$1.25



Handy saw for pocket. The long teeth cut quickly and the curved blade helps too. Excellent for small trees where large saw is not required. 1 lb.

NO. 49—POLE SAW AND TRIMMER—\$2.85



Cut shows the type. A very efficient tool. Saw has long, quick cutting teeth. Strong spring opens pruner which is operated by a light rope. Price does not include pole. Blade may be detached if desired.

NO. 50—GRAPE PRUNER—\$1.25



Apple Wood, Open Grip Handle, Brass Screws, Crucible Steel Blade, 10½ inches long, 1¼ inches wide at butt, ¾ inch at point.

NO. 51—POLE OR HAND PRUNER—\$2.15



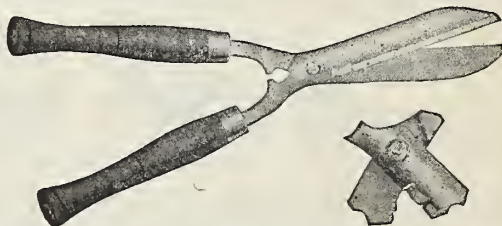
An exceedingly practical tool used by many large growers. Since it may be used on a pole or by hand, and the blade may be attached to three angles, and the teeth are long, quick cutting, it is a favorite. Handle of Japanned malleable iron. 3 lbs.

NO. 52—DISSTON DUPLEX PRUNING SAW—\$2.00



Beech Handle, Brass Screws. 20 inch.

NO. 53—DISSTON HEDGE SHEARS, AMERICAN—\$3.50



Disston Steel Blades notched to prevent slipping. Tang extends through handle; riveted, making handles fast. Full polished blades. Blades are hollow ground causing them always to close on the cutting edge. Full polished Disston American Hedge Shears are furnished with black handles. No spring tension—a bolt that fits into a threaded hole in the blade is tightened until proper tension is secured, then locked in place by a lock-nut. 12 inch. 5 lbs.

No. 54—DISSTON GRASS OR ONION SHEARS—\$1.50



Trowel shank. Full polished. Made from one piece of Disston steel. Specially hardened and tempered. Ground to cut evenly from heel to point. 7-inch blade. 15 inches over all.

NO. 55—POST HOLE DIGGERS—\$5.50



The handles of the "Samson" are made of Maplewood and the Rapid of Ash Wood, selected, the blades of both are 9 inches long and made of solid steel, forged to shape.

NO. 67—DISSTON HANDY SAW KIT—Per Set \$10.00
(Patented Nov. 2, 1909)

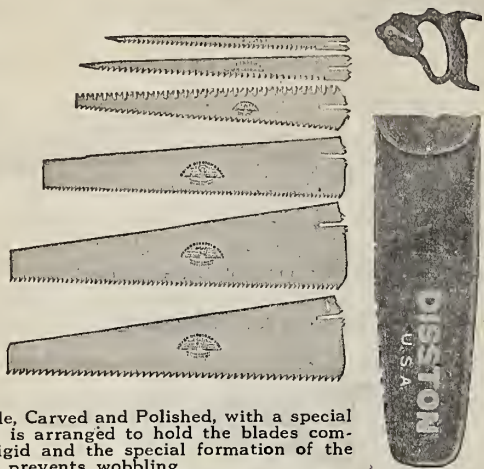
The combination of Blades in these sets provides a Handy Kit for the practical mechanic, householder, farmer, etc.

12-inch Keyhole
14-inch Compass
16-inch Pruning

18-inch Plumbers'

20-inch 10 Point Cross-cut

20-inch 7 Point Rip Saw



Adjustable Handle



Canvas Case

Handwood Handle, Carved and Polished, with a special lever device which is arranged to hold the blades comprising the Sets rigid and the special formation of the butt of the blades prevents wobbling.

The special shaped Lever Bolt, permits by a quarter or half turn of same the keeping of the Lever in position so it will not interfere with the working of the saw.

The Plumbers' Saw Blade is specially tempered for cutting nails, spikes, bolts, gas pipe, soil pipe, etc. The blades are made of DISSTON CRUCIBLE STEEL, ground and polished.



No. 64
WHITNEY PATENT
\$3.50

The Orchard Garden Supply Co., has imported shears and tried to get them in this country which would approach the standard of perfection desired by the very best growers. There were none made. The old French Wheel spring has been found most approved and the type of handle employed the best. These are modelled after the best shears ever made, embodying all the best points of all the best shears. They are unsurpassed. 10 in. long; handles drop forge steel, blade cutlery steel fastened by two screws. Patent nut and pawl makes tension permanent. Heavy bolt. Spring cannot get loose or fly out; works smoothly. Everything about these is as nearly ideal as it is possible to make a shear. Every user is an enthusiast, and Agricultural Colleges highly recommend them. Weight 1 lb.



No. 65
FRENCH
\$3.00

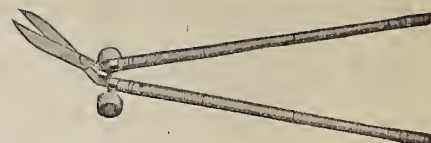
A new style with excellent features. Black steel finish; drop forged, high grade tool steel, specially hardened; with two cutting edges and ground convex. Has tremendous strength for long, hard use. Alligator tail spring. Easy on hand and can never wear out. Highly recommended. Weight 1 lb. 8 inch long.



No. 66
SWISS PATTERN
\$3.50

A thoroughly high grade tool for those who prefer the flat springs. Blade of tool steel. Handles drop forged. Ratchet nut to hold tension. Will stand hard usage. In some sections of California this type stands at the lead for popularity. Weight 1 lb. 8 1/2 inch.

No. 56
DISSTON LAWN SHEARS
\$4.50



Manufactured from best quality Disston-made steel, black finished blades, 9-inch cut. Handles are 36 inches long, fitted with heavy steel ferrules, riveted through the tang, making it impossible for the handle to work loose. Shears fitted with two wheels 2 x 5/8 inches. Weight, 5 1/2 lbs.

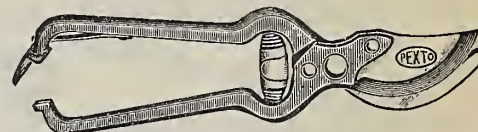


TOBACCO SPUDS
Crucible steel blades
No. 57
Angular Blade
60 cents

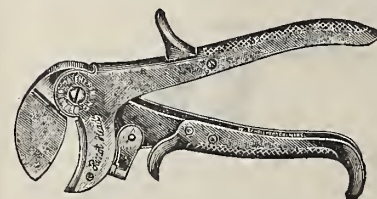


No. 58
Oblong blade
70 cents

No. 59
\$1.00
CALIFORNIA PATTERN



The popular, inexpensive, but reliable shear used by those who have but little pruning to do. Black malleable iron handles, volute spring. Workmanship excellent. Blades riveted to handles and of good steel. Weight 1 lb.

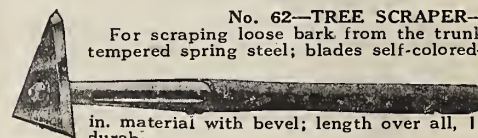


No. 60-PARROT HEAD-\$2.50
An excellent type for vine trimming and especially recommended by Prof. M. G. Kains, the noted pruning authority. Very light, very comfortable, a keen cutter. The hand in operating is held in a more comfortable position and this alone recommends this type. We believe they are worth a trial and many use no other type. Weight 1 lb.

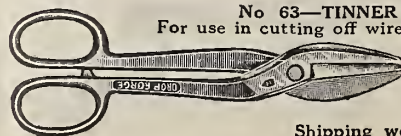
No. 61—TIFFANY GRAFTING TOOL—75c
Made of forged steel, oil-tempered. Light, strong and keeps its edge. One end has hook so that it may be hung upon a limb, the other has a chisel shaped spreader. The easiest-working, handiest grafting tool on the market. The blade is very thin and long so that it does not split the limb but really cuts.



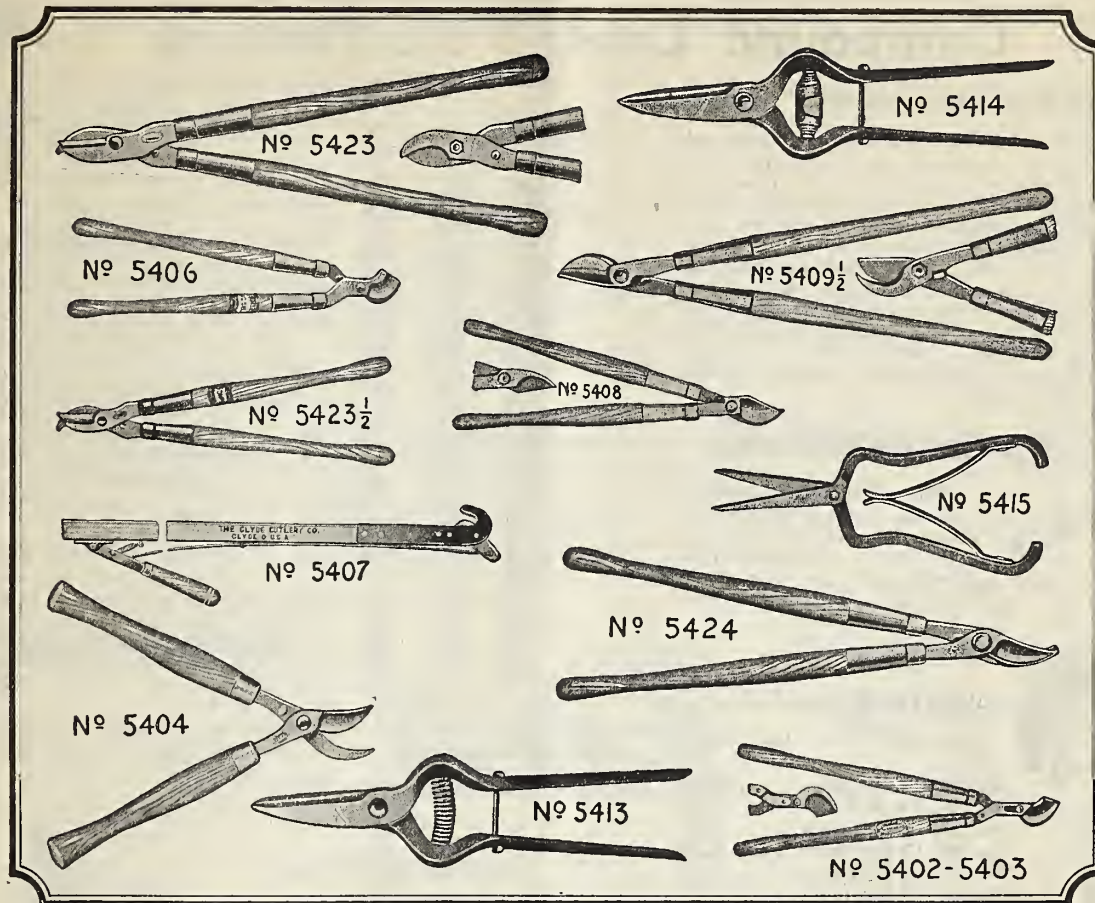
No. 62—TREE SCRAPER—\$1.00
For scraping loose bark from the trunks of trees. Made of tempered spring steel; blades self-colored—4 1/2 by 5 in., of 1/8 in. material with bevel; length over all, 18 in. Heavy, strong, durable.



No. 63—TINNER SNIPS—\$1.15
For use in cutting off wire netting. Extra heavy; made of best-quality steel. Also handy for many other jobs about the farm.



Shipping weight, 2 lbs.



No. 5402 Clyde Draw Cut Pruning Shear—The construction of this pruning shear produces a powerful sliding cut movement of the blade. The blade, hook and shank are forged from tool steel and held together by a bolt with lock nut. Handles—Northern second growth ash, natural finish, pressed steel ferrule and cap, and riveted to shear.
 Length of Handles, inches.....24
 Weight per dozen, lbs.....73
 Price each\$3.25

No. 5408 Clyde Pruning Shear—Forged solid tool steel blade and hook, bolt and ratchet nut, second growth northern ash handles, natural finish, re-enforced with 4-inch polished pressed steel ferrule and cap. Handles riveted to shear.
 Length of Handles, inches.....30
 Weight per dozen, lbs.....62
 Price each\$3.50

No. 5406 Clyde Pruning Shear—Forged Solid tool steel blade and hook and positive shear cut. Ash handles, natural finish, pressed steel ferrule and cap.
 Length of Handle, inches.....20
 Weight per dozen, lbs.....45
 Price each\$1.75

No. 5409½ Clyde Pruning Shear—Forged Solid tool steel blade and hook, heavy taper bolt with lock nut. Natural finished second growth northern ash handle, blue 4-inch steel ferrule and cap. Handles riveted to shear.
 Length of Handle, inches.....24
 Weight per dozen, lbs.....64
 Price each\$3.25

No. 5423 Clyde Pruning Shear—Solid tool steel blade and hook fastened with bolt and lock nut. Natural finish, second growth northern ash handle, 4-inch polished steel ferrule and cap. Handles riveted to shear. 24-inch.
 Price each\$2.25

No. 5423½—Same as No. 5423 except the blade and hook are fastened with a rivet and are not polished and handles not riveted.
 Length of Handle, inches.....20
 Weight per dozen, lbs.....48
 Price each\$1.75

No. 5424 Clyde Improved Vine Shear—Forged solid tool steel blade, hollow ground, bevel cutting edge overlapping the hook to allow for sharpening. Forged solid tool steel hook same as the blade. Extra large wearing surface between blade and hook and extra large head bolt hardened. Handles northern ash second growth, natural finish, blue 4-inch pressed steel ferrule and cap.
 Length of Handle, inches.....24
 Weight per dozen, lbs.....63
 Prices, each.....\$3.25

No. 5404 Handy Andy Shear—Solid tool steel forged blade and hook. The blade is slightly hollow ground with bevel edge insuring smooth, easy cutting and maximum strength. Hardened steel bolt with lock nut. Handles are 9 inches long and made from second growth northern ash, natural finish. Ferrules are heavy pressed steel polished. Packed one-half dozen in corrugated paper container.
 Length of shear over all, inches.....15
 Weight per dozen, lbs.....15½
 Price each\$1.75

No. 5407 Clyde Tree Trimmer—Both the blade and hook of this trimmer are made from the best tool steel, firmly riveted to selected basswood handle. Each shear fitted with a spring device for holding the blade open, permitting the operator to use both hands for guiding the tool in difficult work. We guarantee this trimmer unconditionally and recommend it as the most durable, powerful and easily operated trimmer made.

No. 5407	A	B	C	D	E	F
Lgth of Handle, ft	4	6	8	10	12	14
Wgt. per doz. lbs.	31	35	42	48	64	69
Price, each.....	\$1.65	1.90	2.10	2.35	2.60	3.00

No. 5413 Clyde Grape Shear—Forged solid steel blade and hook riveted, Japanned handles, brass coil spring. Packed one dozen in a box.
 Length over all, inches.....6½
 Price each60 cents

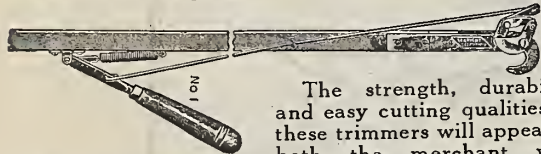
No. 5414 Clyde Grape Shear—Forged solid blade and hook riveted. Japanned handles, blued volute spring. Packed one dozen in a box.
 Length over all, inches.....6½
 Price each75 cents

No. 5415 Clyde Grape Shear—Forged solid steel blade and hook riveted, handles forge finish, longitudinal steel springs. Packed one dozen in a box.
 Length over all, inches.....6¼
 Price, each.....85 cents

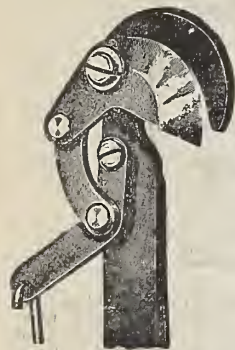
Compound Lever Pole Pruners

LONG POLE TREE TRIMMERS

No. 1 has a compound lever head and is made with a hook and side lever. It is calculated for heavy work and will cut a limb up to 1¼ inches in diameter. Instead of running the rod connecting the knife lever along one side of the pole to a handle lever, we have the handle lever on the opposite side, which allows the rod to cross the pole. As a result one-half the strain is thrown on one side of the pole and one-half on the other, which gives about double strength, and instead of the pole warping and bending, it has a tendency to remain straight and stiff. We recommend the No. 1 trimmer as the compound leverage relieves the strain on the pole.



The strength, durability and easy cutting qualities of these trimmers will appeal to both the merchant who handles them, and the man who may have the pleasure of using them. Each trimmer is fully warranted.



Price List of Long Pruners

Free Pruner No.	Price Each
No. 27, 6 foot pole.....	\$4.00
No. 28, 8 foot pole.....	4.25
No. 29, 10 foot pole.....	4.50
No. 30, 12 foot pole.....	4.75
No. 31, 14 foot pole.....	5.00
No. 32 16 foot pole.....	5.50
No. 33, extra blades.....	.50

Head in detail

No. 38—HAND PRUNING SAW

One of the most important tools in our line in a bracket hand pruning saw, with a blade so arranged as to be turned instantly to any angle.



No. 38

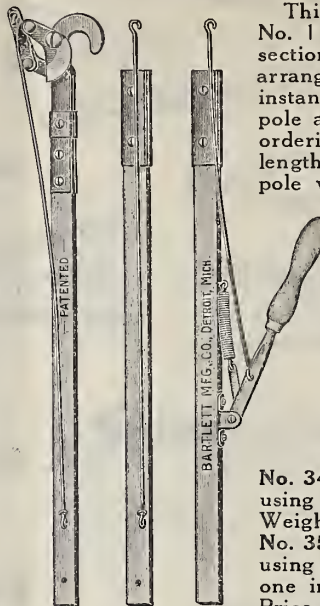
This type of saw is the most popular because it is light, and capable of being used at any angle with practically no danger of breaking or buckling the saw. It will cut rapidly, making a clean cut with no danger of wounding the bark. No orchard kit of tools is complete without a saw of this type.

	Price Each
No. 38—Hand Pruning Saw. Wt.—1½ lbs...	\$2.50
No. 39—Hand Pruning Saw Blades.....	.35

PARAGON PRUNING SAW

	Price Each
No. 40—Paragon Double Edge, Fine and Coarse	\$2.25

JOINTED TREE TRIMMERS



This jointed Pruner is the same as our No. 1 long pole except that it is made of sections four feet in length which can be arranged to cover any length desired. For instance, a customer desires a 16-foot pole and also an 8-foot pole. Instead of ordering two trimmers of the desired length, he secures a four section jointed pole which will make up into either an 8-foot, 12-foot or 16-foot Pruner.

The jointed pole appeals to the user because of its simplicity and the fact that only one pole is necessary whereas formerly several lengths were used to do the work required. Moreover, it can conveniently be put away after the pruning season is over and can be carried about in 4-foot lengths.

Price List of Jointed Pruners

No. 34—8- ft. Jointed Pruner, made up by using the top section and handle section. Weight 5 lbs. Price each.....	\$5.00
No. 35—12-ft Jointed Pruner, made up by using the top section, handle section and one intermediate section. Weight 7 lbs. Price, each.....	\$5.50
No. 36—16-ft. Jointed Pruner, made up by using top section, handle section and two intermediate sections. Weight 9 lbs. Price, each.....	\$6.00
No. 37—Extra Intermediate Sections.....	\$1.00

No. 41

TWO HAND PRUNER Drop Forged Tool Steel

Our No. 41 is designed on scientific principles and is the result of several months' study and experimental work.

Because of the fact that the majority of men are right-handed, we have placed the blade on the opposite side from the general custom. This permits the blade to be placed next to the body or main limb of the tree with the hook handle held in the left hand, while the right hand operates the blade. It may be readily seen with this arrangement that the hook remains stationary while the blade closes, instead of the blade being held stationary while the hook closes by twisting around the branch, wounding the bark. It has other strong features, as follows:

The blade positively will not cut or dig into the hook. The blade will not push the branch from between it and the hook. By dropping the hook considerably below the center line we have produced a positive draw cut superior to any other, with an opening between blade and hook, allowing a straight thrust at the branch.

No. 41

This is a pruner with more desirable features and easier cutting qualities than have ever before been combined in a single tool. We challenge comparison.

Price List of No. 41

No. 41—Two-Hand Pruner with 26-inch White Ash Handles and Double Ferrule. Weight 4 lbs. Price, each.....	\$3.00
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STANLEY FOUR-SQUARE HOUSEHOLD TOOLS

Choose the tools you need for use about the home from our full line of Stanley Four-Square Household Tools. 32 tools in all—made especially for your everyday use in doing the many little jobs that must be done. Individually boxed and tagged at popular prices.



Stanley Household Awl. A rivet through the ferrule, handle and shank securely fastens the blade in the handle. Dull black handle. Length, over all, 5 inches; blade, 1½ inches. Weight, ¼ lb. No. 519, retail price, 30 cents each.

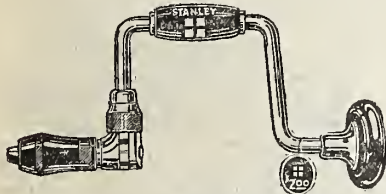


Stanley Household Auger Bits. Solid center, extension lip, double cutter. Correctly tempered. Accurate for size. Highly finished throughout. Shank end of bit, dull black. Weight ¼ lb.

Size in 16ths	Retail Price, each
No. 520, 4	\$3.50
No. 521, 6	.50
No. 522, 8	.50
No. 523, 10	.60
No. 524, 12	.75
No. 525, 16	1.00



No. 526
Stanley Household Hand Axe. Made from one piece tool steel, hand tempered in oil. Cutting edge, polished and honed. Head, black lustrous finish, deep etched. Sound hickory handle, dull black, 18 inches over all. Weight without handle, 2¼ lbs. Packed: Each head carefully protected with a cardboard sheath. Retail Price: \$1.75 each.



Stanley Household Bit Brace. Open ratcheted. Nickel plated. Shell, hardwood head, and handle, dull black. Alligator jaws. 8-inch sweep. No. 527. Retail Price: \$2.00 each.



Stanley Household Chisels. Socket, pocked bevel edge. Blades, 3¼ inches long. Dull black handles, leather capped.

Blade	Retail Price, each
No. 528, ¾ inch	\$8.90
No. 529, ½ inch	.95
No. 530, ¾ inch	1.00
No. 531, 1 inch	1.25

Packed: One in a box. Weight, ½ pounds.



Stanley Household Mill File. 8-inch Single Cut. Each file fitted into dull black handle, ready for use. No. 532, weight, ¼ lb. Retail Price: 25 cts. each.



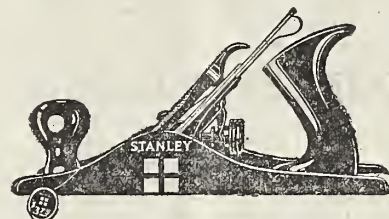
Stanley Household Slim Taper File. 6-inch single cut. Each file fitted into dull black handle, ready for use. No. 533, weight, ¼ lb. Retail Price: 20 cents each.



Stanley Household Hammer. Made of a special steel, carefully forged, hardened and tempered. Ball face; round neck and poll; curved claw which easily pulls any size of nails and brads. Face, poll and top of claw are polished, rest of head, dull black. Sound hickory handle, dull black. 13 inches over all. Weight, without handle, 14½ ounces. Packed: One in a box. No. 534, retail price: \$1.00 each.



Stanley Household Level. Selected hardwood, carefully seasoned; 2½ inches by 1¼ inches stock. 18 inches long. Proved glasses, non-adjustable. Dull black handy grip. No. 535, packed one in a box; weight, 1½ lbs. Retail Price: \$1.25 each.



Stanley Household Jack Plane. Hardwood handle and knob, dull black. Sides, dull black. Cutter adjustable endwise and sidewise. Length: 11 inches. Cutter: 1½ inches. No. 536, packed: One in a box. Weight, 4 lbs. Retail Price: \$3.75 each.



Stanley Household Block Plane. Lever cap and sides, dull black. Cutter, screw adjustment. Lever screw, lever cam, adjusting wheel and screw, nickel plated. Length: 6½ inches. Cutter: 1½ inches. No. 537, Packed: One in a box. Weight, ½ lb. Retail Price: \$1.50 each.



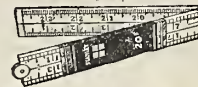
Stanley Household Pliers. 6½ inch. Coppered and nickel plated. Forged from high grade tool steel. Narrow nose. Combination slide joint and shear cutter. Packed: One in a box. ½ lb. No. 538, Retail Price: 50 cents each.



Stanley Household Pry Bar. Drop forged from chisel steel. Dull black, except face of bit, which is polished. Length: 15 inches; diameter, ¾ inch. Weight, 1¾ lbs. Packed: One in a box. No. 539. Retail Price: 75 cents each.



Stanley Household Putty Knife. Dull black, hardwood handle. Crucible steel blade 1½ inches wide, 3¼ inches long. Half elastic. Weight, ¼ lb. No. 540. Retail Price: 25 cents each.



Stanley Household Boxwood Rule. Two foot. Four fold. 1 inch wide. Round joint. Middle plates, heavy figures. Graduated in 8th and 16ths inches. Weight, ¼ lb. No. 541, Retail Price: 20 cents each.



Stanley Household "Zig-Zag" Rule. Rivet joints. Yellow enamel finish, with joints and tips dull black. Regular figuring. Graduated in 16th inches on both sides. Length: 4 feet. No. 542, Retail Price: 35 cents each. Weight, ¼ pound.



Stanley Household Saw. Thin back, highly polished crucible steel blade. Handle, dull black, with four nickel-plated brass screws. 24 inch, hand, skew-back, 8-point. No. 543, Packed: One in a box. Weight, 1¼ lbs. Retail Price: \$2.25 each.



Stanley Household Screw Drivers. Round steel blades. A rivet through the ferrule, handle and shank securely fastens the blade in the handle. Tapered and fluted handles, dull black, specially designed to fit the hand.

	Blade Length	Over All	Diameter	Retail Price, Each
No. 544	1½ in.	3¼ in.	¾ in.	\$1.15
No. 545	2½ in.	6½ in.	7/32 in.	.30
No. 546	4 in.	9 in.	¾ in.	.35
No. 547	5 in.	10¼ in.	5/16 in.	.40



Stanley Household Try & Mitre Square. Blade nickel plated, can be firmly locked at any point. Edges machined and squared inside and out. Graduated in 8ths and 16ths. Iron handle, dull black. 7-inch blade; 2½-inch handle. No. 548, Packed: One in a box. Weight, ½ lb. Retail Price: \$1.00 each.



Stanley Household Vise. The jaws are hardened, ground and carefully fitted. Width of jaws: 2 inches. Vise screw with square lathe cut thread working in long malleable nut. Patented split washer under head of screw to take up wear. Body of vise, dull black. This vise will withstand severe usage. No. 549, Packed: One in a box. Weight, 4¼ lbs. Retail Price: \$2.50 each.



Stanley Household Pipe Wrench. 10-inch. Hardened steel jaws. Capacity, ¼ inch to 1 inch. Wood handle, dull black. No. 599, Packed: One in a box. Weight, 1 lb. Retail Price: \$1.50 each.

RAFFIA—NATURAL

With this offer upon RAFFIA we are glad we can materially reduce the price of COLORED—but the new U. S. duty of $\frac{3}{4}$ c per lb. prevents us from making the same reduction in the price of Natural. Now is a good time to buy. Prices are now lower than in pre-war times, and the quality now on hand is excellent.

	5 Bales & up	3 Bales & up	1 Bale & up	100 lbs. & up	50 lbs. & up	10 lbs.	5 lbs.
No. 162—RED STAR BRAND.....	\$0.10	\$0.10 $\frac{1}{2}$	\$0.10 $\frac{1}{2}$	\$0.13	\$0.15	\$0.18	\$0.21
No. 163—XX SUPERIOR BRAND.....	.11	.11 $\frac{1}{2}$	.11 $\frac{1}{2}$	.14	.16	.20	.23
No. 164—AA WESTCOAST BRAND....	.11 $\frac{1}{2}$	.11 $\frac{1}{2}$	.12	.15	.17	.21	.24

The average weight of bales is 225 lbs., gross weight is charged—can quote lower prices on all brands in 10 or more bale lots.

No. 179—COLORED RAFFIA

JAPANESE CANES

			1000	500	100	50
No. 165—DYED GREEN	18 inches,	2,000 to bale	\$4.75	\$3.00	\$1.00	\$0.65
No. 166—DYED GREEN	2 feet,	2,000 to bale	6.00	3.50	1.25	.80
No. 167—DYED GREEN	2 $\frac{1}{2}$ feet,	2,000 to bale	7.00	4.00	1.50	.90
No. 168—DYED GREEN	3 feet,	2,000 to bale	8.50	4.50	1.75	1.05
No. 169—DYED GREEN	3 $\frac{1}{2}$ feet,	2,000 to bale	10.00	5.50	1.85	1.15
No. 170—DYED GREEN	4 feet,	2,000 to bale	12.00	6.50	2.00	1.25
No. 171—NATURAL	*6 feet,	2,000 to bale	17.50	9.50	2.25	1.35

These Bamboos are of uniform lead pencil thickness. Best for greenhouse work. Those marked * can be shipped from Chicago also.

CHINESE TONKIN CANES

			1000	500	100	50
No. 172—46 in., $\frac{1}{2}$ - $\frac{3}{4}$ in. diam....	500 to bale	\$30.00	\$16.00	\$4.00	\$2.50	
No. 173—5 ft., $\frac{1}{2}$ - $\frac{3}{4}$ in. diam....	1000 to bale	25.00	13.00	3.60	2.25	
No. 174—6 ft., $\frac{1}{2}$ - $\frac{3}{4}$ in. diam....	1000 to bale	27.00	14.50	4.00	2.40	
No. 175—8 ft., $\frac{3}{4}$ -1 in. diam....	500 to bale	50.00	27.50	6.00	4.00	

Natural Bamboo, smooth polish, butt cuts, uniform diameter. Best for staking Evergreens, Dahlias, trees, and outside stock.

DOMESTIC CANES

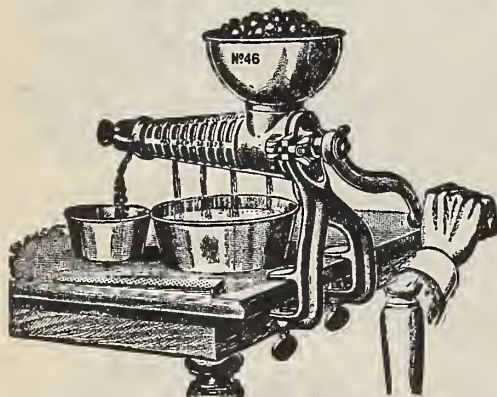
				1000	500	100	50
No. 176—NATURAL,	5-6	feet	1000 to bale	\$15.00	\$ 8.50	\$2.00	\$1.50
No. 177—NATURAL,	6-9	feet	800 to bale	27.00	11.50	2.50	1.75
No. 178—NATURAL,	9-12	feet	200 to bale	60.00	32.00	7.00	4.00

These Bamboos are heavy at butt and taper to thin ends. Best for cutting up for inside or outside work.

Prices are understood F. O. B. cars New York. Order enough now to carry you at least through the season, it will pay you.

"ENTERPRISE"

Combination Fruit, Wine and Jelly Press



No. 46, \$20.00

No. 137—"Enterprise" Combination Fruit, Wine and Jelly Press, saves rehandling. Extracts juices and ejects skins and seeds in one operation. A turn of the handle and juices drop into one receptacle, seeds and skins into another. Strainer can't clog. Especially adapted for extracting juice from oranges and lemons. Can be adjusted firmly for table use. This machine can be operated continuously after adjustment is made.

Heights, 13 $\frac{1}{2}$ inches; length, 12 $\frac{1}{2}$ inches; weight, 12 $\frac{1}{2}$ pounds. Price\$7.25

No. 138 is 19 inches high, 18 inches long and weighs 36 pounds. This machine can be operated continuously after adjustment is made. Price.....\$45.00



CHERRY STONER

One of the most rapid little stoners of its size ever produced. The hopper is filled with cherries and it is only necessary to turn handle. The cherries are forced down between the revolving disc and the side—which forces the stone out, but does not crush the cherry. It is surprising how easily the work is done with this tool. The greatest labor-saving device known for cherry pitting on a small scale.

Heavily tinned, will last a lifetime. Has a patented regulating device to adjust for different sized cherries. Pits drop into a receptacle at the side of the dish which catches the cherries. Made by the Enterprise Mfg. Co., shipped from stock in New York City. Shipping weight, 5 lbs.

No. 139—\$2.25



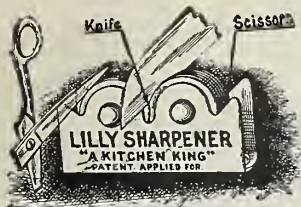
RAISIN SEEDER

For removing the seeds from dried raisins. Simply fill the hopper and turn the crank. The raisins are deposited in one receptacle; the seeds and stems in another. Heavily tinned, very simple in construction, easily operated with a large enough capacity for home use. This does not mutilate the raisins to any extent, and removes all the seeds. Shipping weight, 5 lbs.

No. 140—\$3.50

The "Lilly" Sharpener "A KITCHEN KING"

All Blades from a Penknife to a Scythe
No Delay Waiting for a Grinder to come Around



No. 141—Price \$1.25 each

Fasten securely to table, barn or any convenient place. Wipe ground edges of disc with oily rag occasionally.

Place tool or instrument on sharpener as pictured and draw towards you with a firm even pressure.

The ten one-and-one-quarter inch revolving blades give a sharpener surface of eighty inches.

Guaranteed to render satisfactory service or sharpener will be replaced or money refunded.

Barrel Press



Convenient for work in the orchard. Barrel is rolled on the platform until it strikes the guide, then head is put on and pressed into place. When completed the press is dropped back, as shown in illustration. Always handy and available where you want it. You don't need to throw the press on the ground after each operation. Unquestionably the best press of this type to be had.

No. 142—\$3.00

Shipping weight, 35 lbs.

No. 143—Iron Follower—\$1.00

Shipping weight, 5 lbs.

No. 144—Platform—\$5.00

Asparagus Buncher

The manner in which this new buncher works, reveals a decided improvement—and it is just what growers have been wishing for. The asparagus, after weighing, is dropped into the open jaws of the buncher. Next, the end is pulled down, thus clamping the bunch very tightly and holding it for tying. Makes a perfectly round and tight bunch—neat in appearance.

Unlike most bunchers, after the bunch has been tied and the butts cut off, the jaws may be thrown open wide enough to lift the bunch out of the top, thereby preventing the breaking of any tips, as well as saving considerable time. The length of the bunch may be regulated and the size of the bunch as well. Should a string break after the bunch has been formed, the same bunch may be put in the buncher and tied without taking any of the grass from it. Those who already have used this buncher—especially the larger growers, who appreciate every time-saving device in their bunching operations—say that this is by far the most complete and efficient buncher yet devised.

No. 147—\$13.50

Shipping weight, 12 lbs.



Hose Bands

The most improved and strongest bands made. 3 sizes furnished.

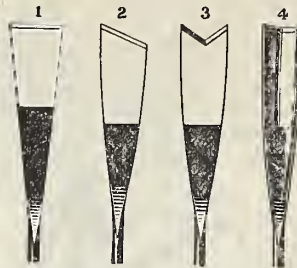
No. 149—80 cents per dozen

Hose Couplings

All made with 3/4-inch connections. Extra long nipples. Complete assortment of couplings for 3/4-inch, 1/2-inch, 3/8-inch and 1/4-inch hose. Specify size.

No. 150—80 cents

Asparagus Knives



No. 145

The most popular types for cutting asparagus with butts white. A knife of best cutlery steel, tempered. Wood grip cannot work loose. 16 inches over all. Shipping weight, 1/2 lb.

Made with either Nos. 1, 2, 3 or 4 style blade. When ordering state which is wanted.

Style 1, 2, 3, \$1.00 each

Style 4, \$1.25 each

The Gutsche Wire Stretcher

The Gutsche Wire Stretcher will stretch any kind of barbed, plain or woven wire. The two jaws will take care of any size of wire from the lightest to the heaviest.

The Gutsche Wire Stretcher can be used for re-splicing as well as stretching from post to post to any distance required. This Wire Stretcher is absolutely dependable at any time. Nothing can get out of order or break as the construction is simple and all parts are made out of mild steel. Easily operated by one man.

No. 146—\$3.00



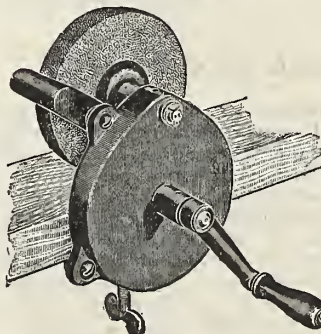
Lime and Sulphur Hydrometer



A guaranteed, accurate tester, Beaume scale, for testing the strength of Lime Sulphur solution from Zero to 38 degrees Beaume with 1/2 degree graduations. Standard hydrometer of high quality; the degrees large and easily read. Fruit growers realize the importance of having an accurate instrument. Packed in box with 12-inch closed jar with broad base and lip, to make pouring easy. Guaranteed to reach you safely. Shipping weight, 3 lbs.

No. 148—\$1.50

Carborundum Pruning Tool Sharpener



Meets every requirement of a perfect pruning tool sharpener. Because of the method of gearing—with the fairly long handle giving a good leverage—the stone is turned with great rapidity; and being of a very fine texture of rapid cutting material (carborundum is the quickest cutting material known), it will put a very smooth edge on any of your pruning tools in the shortest possible time. This is the same grade stone that is employed by the pruning tool manufacturers to sharpen their

tools, and is the last article used on them before the buffing wheel. The case is coated with heavy black enamel; the wheel, which turns at a very high speed, is securely fastened to its axle. The finest quality you can buy. Shipping weight, 11 1/2 lbs.

No. 151—\$5.00

"LITTLE GIANT"

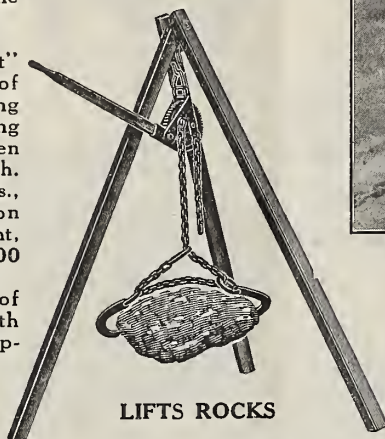
The Most Practical Stump Puller for the Fruit Grower

Lifts stones—pulls stumps—is useful in many ways around the farm. 100-lb. pull on lever gives 40-ton pull on stump. Rapid, light, efficient; guaranteed against breakage. Carried in stock in the East—it is made in Vermont). You can get it promptly.

With the "LITTLE GIANT" one can outpull 12 horses. Recommended for pulling old stumps and trees up to 24 inches; green and hard-pulling stumps up to 16 inches. With enough stumps about it is possible to pull each in 20 to 30 minutes; soil conditions, age of stump, and kind of wood all affecting the pull.

No. 152—Outfit A. The "Little Giant" Stump Puller complete, with 11 feet of special hand-forged block chain, including two extra 15-foot lengths of good, strong chain with grab hooks. The wooden handle or lever is made of Vermont ash. Weights as follows: 1 Wood Lever, 7 lbs., 2 Bundles Chain, 92 lbs., 2 Bundles Iron Castings, 104 lbs. Total shipping weight, 203 lbs.....\$75.00

No. 153—Outfit B. This outfit consists of the above mentioned items, together with Tripod and Rock-Lifter apparatus. Shipping weight approximately 245 lbs. \$90.00



LIFTS ROCKS



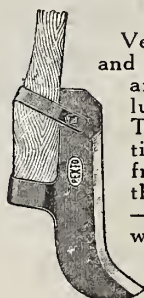
Pulls Stumps

No. 154—Outfit C. Rock-Lifter apparatus with hooks, tripod and 11 feet of special hand-forged chain and wooden handle or lever. Shipping weight approximately 154 lbs.....\$75.00
No. 155—Outfit D. Same as Outfit C, except without Tripod. Shipping weight 100 lbs. \$67.00

UNIVERSAL PRUNER

Made of cast steel, with tempered steel blade. A splendid tool for the person with few trees—who has not room for a long pole pruner. Can be attached to any pole. Long leverage on blade—with powerful spring to open it,—make it an easy cutter and a practical tool.

No. 161—\$1.50
Shipping weight, 2 lbs.



BUSH AXE

Very handy for trimming brush and bushes. To be attached to an axe-handle, as shown in illustration. Best quality steel. Ten inches over all, with cutting edge around the whole front surface. Connected to the handle by two steel straps—and, once set, the handle will stay. Furnished with handle. Shipping weight, 5 lbs. **No. 157—\$1.75**

BUSH HOOK



No. 158—\$1.00

Can be attached to scythe. Solid steel, black finish; ground sharp. The handiest type of bush hook made. By using it with the scythe snath, can be cut very close to the ground. Shipping weight, 1½ lbs.

NIAGARA PICKING BAG

The Niagara Picking Bag is designed for the practical everyday use of the practical grower. Many picking devices have been put on the market with claims that never could be fulfilled in actual use. The popularity of the Niagara Bag has proven beyond a doubt that it is the bag for the practical grower.

It is skillfully constructed of heavy canvas with a flat steel frame at the top. A double thickness of canvas covers the frame, which extends only on the ends and front, only the double thickness of canvas being next to the picker's body. This frame construction adds to the picker's comfort, requires no adjustment in fitting and provides an ample opening to receive the fruit. The broad shoulder straps permit a freedom of action not found in other picking devices. It's easy to pick with a Niagara.

The emptying is safely and quickly done by releasing the cord. The lessening of loss from bruised fruit in emptying often pays for several bags. The cords are sufficient length to permit the bag to be lengthened to hold a full box of fruit. The combination of service, speed and safety in the Niagara Bag will commend its use to every orchardist. Shipping weight, 2 lbs.

No. 160—\$2.00



Sowrite Seed Sower
Sows Seeds at a Touch!

No. 156—PRICE \$1.00

FOR BEST RESULTS SOW YOUR PERENNIALS WITH THE SOWRITE SEED SOWER

PRESSURE GAUGE



No. 159—A standard standard gauge for use with spraying outfit. Reads from Zero to 500 lbs. An absolute necessity on all high-power sprayers, and highly advisable to use on hand pumps—because the operator finds its much easier to keep up the necessary pressure when he has a gauge in front of him; thereby gaining better results at the nozzle. Gauge threaded to standard-size spray couplings.

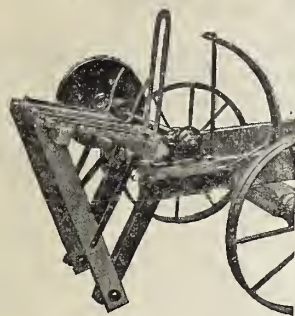
Price \$2.50

zle. Brass outside. ard-size spray couplings.

FREEMAN WOOD AND POLE SAW FRAMES

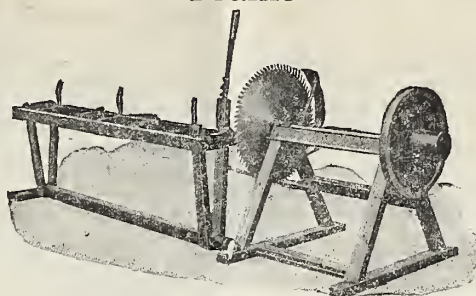
All prices are F. O. B.
Factory, Racine, Wisc.

**Tilting Table Wagon
Attachment**



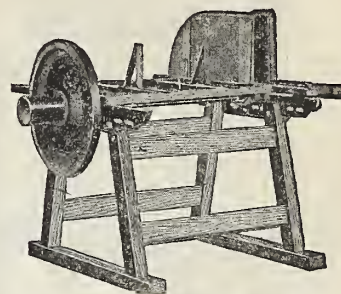
No. 269

**7-Foot Swing Table Pole Saw
Frame**



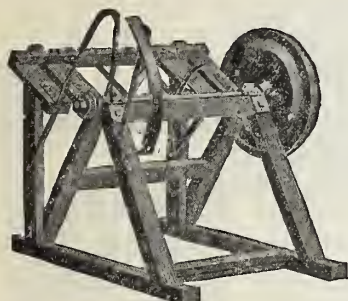
No. 255

**Sliding Table Wood
Saw Frame**



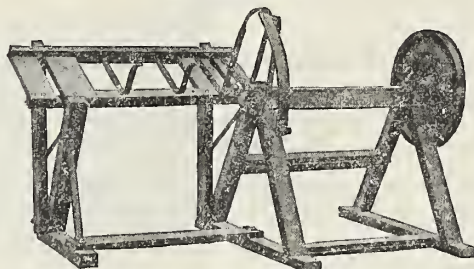
No. 256

**Tilting Table Wood
Saw Frame**



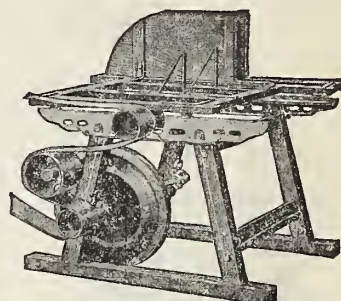
No. 250

**Tilting Table Wood Saw Frame
Extension**



No. 252

**Sliding Table Pole
Saw Frame**



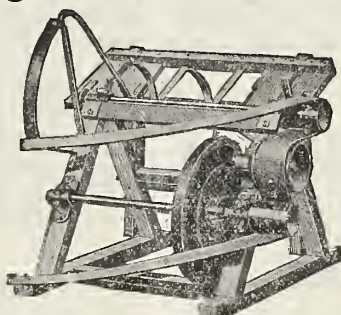
No. 257

**Flat Box Mandrel
Set**



No. 258

Tilting Table Pole Saw Frame



No. 254

**Connected Box
Mandrel Set**



No. 260

WOOD AND POLE SAW FRAMES

- No. 250—Tilting Table Wood Saw Frame with 60 lb. balance wheel, weight 245 lbs..... \$25.00
- No. 251—Tilting Table Wood Saw Frame with 95 lb. balance wheel, weight 275 lbs..... 27.50
- No. 252—Tilting Table Wood Saw Frame with pole attachment and 60 lb. balance wheel, weight 295 lbs. 27.50
- No. 253—Tilting Table Wood Saw Frame with pole attachment and 95 lb. balance wheel, weight 325 lbs. 30.00
- No. 254—Tilting Table Pole Saw Frame with 95 lb. balance wheel, weight 350 lbs..... 35.00
- No. 255—7 Foot Swing Table Pole Saw Frame with 95 lb. balance wheel, weight 350 lbs..... 32.50
- No. 256—Sliding Table Wood Saw Frame with 95 lb. balance wheel, weight 300 lbs..... 37.50
- No. 257—Sliding Table Pole Saw Frame with 95 lb. lb. balance wheel, weight 380 lbs..... 45.00
- No. 258—Mandrel Set with flat boxes and 60 lb. balance wheel, weight 125 lbs..... 13.50

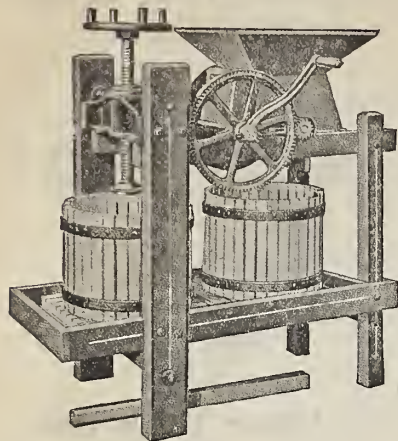
- No. 259—Mandrel Set with flat boxes and 95 lb. balance wheel, weight 160 lbs..... 16.00
 - No. 260—Mandrel Set with connected boxes and 60 lb. balance wheel, weight 140 lbs..... 15.00
 - No. 261—Mandrel Set with connected boxes and 95 lb. balance wheel, weight 170 lbs..... 17.50
 - No. 262—Mandrel only with arbor plates, weight 31-lbs..... 5.00
 - No. 263—60 lb. balance wheel only..... 5.00
 - No. 264—95 lb. balance wheel only..... 7.50
 - No. 265—125 lb. balance wheel only..... 10.00
 - No. 266—5x6 Pulley only, weight 11 lbs..... 1.75
 - No. 267—Flat Boxes only—per set, weight 12 lbs..... 1.75
 - No. 268—Connected boxes only, weight 36 lbs..... 4.00
 - No. 269—Wagon Attachment with 60 lbs. wheel..... 20.00
 - No. 270—Wagon Attachment with 95 lbs. wheel..... 22.50
 - No. 271—Wagon Attachment with 125 lbs. wheel..... 25.00
- Note—Arbors are turned 1 $\frac{1}{2}$ in.

CIRCULAR CUT-OFF SAW BLADES

- | No. | Weight | Lbs. | Price | No. | Weight | Lbs. | Price | No. | Weight | Lbs. | Price |
|-----|--------|------|--------|-----|--------|------|--------|-----|--------|------|--------|
| 272 | 20 in. | 8 | \$3.25 | 274 | 24 in. | 14 | \$4.50 | 276 | 28 in. | 20 | \$6.00 |
| 273 | 22 in. | 10 | 3.75 | 275 | 26 in. | 17 | 5.00 | 277 | 30 in. | 24 | 7.00 |
- Note—Above saws are standard gauge and are furnished with 1 $\frac{1}{2}$ in. eye. Saws ordered with larger or smaller eyes than 1 $\frac{1}{2}$ in. can be furnished at an advance of 10% of the regular price.
- All prices are F. O. B. Factory, Racine, Wisc.

FREEMAN CIDER MILLS, FRUIT PRESSES, GRAPE & BERRY CRUSHERS

Prices are F. O. B. Factory, Racine, Wis.



Senior, Medium and Junior Cider Mills

The Senior, Junior and Medium are strong and well made. Strictly high grade "Positive Force Feed" mills that give satisfaction. Their construction embodies the principles used in our large Senior mill, frame heavy hardwood strongly bolted together, working parts best grade of iron and steel. Our grinding mechanism consists of a hardwood cylinder in which is securely imbedded a series of steel knives for cutting and grating the fruit. Furnished with two tubs 10½ in. high by 11 in. diameter for the Junior, 12¾ in. high by 14½ in. diameter for the Medium and 13¾ in. high by 16¾ in. for the Senior. We can furnish at an extra price an 8x4 or 10x4 Clamp Pulley to run by power.

No. 279—Junior, capacity 2 to 4 bbls. of cider per day, weight 155 lbs.....	\$27.50
No. 280—Medium, capacity 4 to 6 bbls of cider per day, weight 215 lbs.....	35.00
No. 281—Senior, capacity 6 to 12 bbls. of cider per day, weight 330 lbs.....	47.50
No. 283—Clamp Pulley (8x4) for Junior, weight 9 lbs.....	1.05
No. 284—Clamp Pulley (8x4) for Medium, weight 9 lbs.....	1.25
No. 285—Clamp Pulley (10x4) for Senior, weight 11 lbs.....	1.75

Freeman Fruit Presses

Our line of Fruit Presses is strong and substantial. Frames are made of selected hardwood and all the Presses are furnished with a heavy press screw. These presses can be used for pressing fruit and for many other purposes.

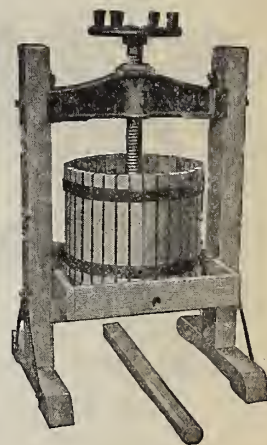
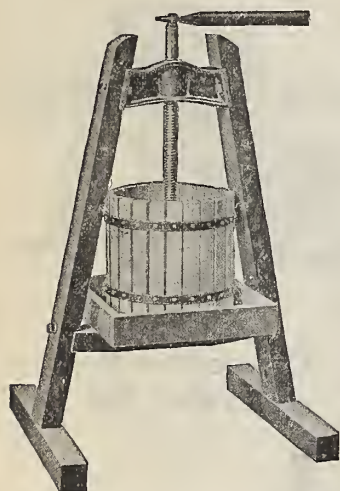
No. 1 press is of different construction than the other sizes as you will observe by referring to the illustration. No. 1 Press is fitted with a tub 10½ in. high, 11 in. diameter, and is a very popular press.

Nos. 2 and 3 Presses are equipped with wood cross heads as shown in the illustration. Nos. 4, 5, and 6 are fitted with iron cross heads. The Presses fitted with iron cross heads are wanted chiefly by those who will put these Presses to a heavy strain. Nos. 2 and 3 are of the same construction as Nos. 4 and 5 with the exception that the former are fitted with wood cross heads and the latter with iron cross heads.

No. 6 is a very large Press and is equipped for handling large quantities of fruit. This size is made with heavy iron cross head only.

TUB SPECIFICATIONS

Order No.	Weight	Height	Outside Diameter	Price
286—No. 1	60 lbs.	10½ inches	11 inches	\$11.00
287—No. 2	55 lbs.	10½ inches	11 inches	12.50
288—No. 3	95 lbs.	12¾ inches	14½ inches	15.00
289—No. 4	60 lbs.	10½ inches	11 inches	14.00
290—No. 5	105 lbs.	12¾ inches	14½ inches	16.50
291—No. 6	170 lbs.	13¾ inches	16¾ inches	23.00



Freeman Special Cider Mill

A strictly first class single tub "Positive Force Feed" cider mill and fruit press.

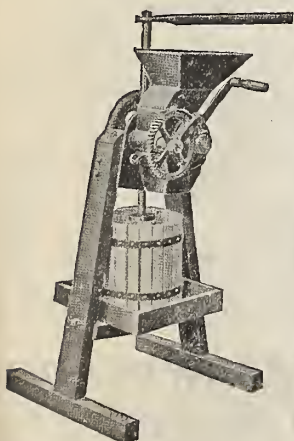
Frame is hardwood, working parts best grade of iron and steel with steel press screw.

Fitted with balance wheel, making it run easy. Size of tub, 10½ inches high by 11 inches diameter. We can furnish at an extra price an 8x2 Clamp Pulley to run by power.

Our grinding mechanism consists of a hardwood cylinder in which is securely imbedded a series of steel knives for cutting and grating the fruit.

Capacity, 1 to 2 bbls. of cider per day.
Weight, 130 lbs.

No. 278—Price \$22.50

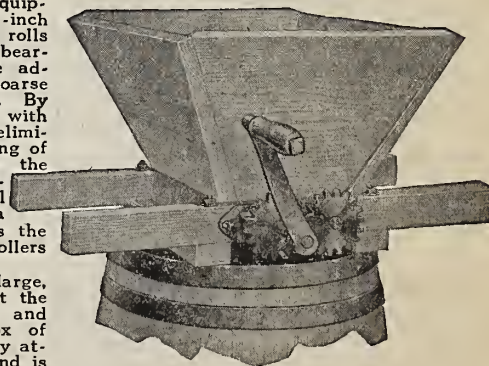


Grape and Berry Crusher

Our Crusher is equipped with two 11-inch hardwood crusher rolls set in adjustable bearings, and can be adjusted to crush coarse or fine as desired. By using a Crusher with hardwood rolls, it eliminates the discoloring of the juices—where the juices come in contact with metal parts there is a discoloration as is the case where iron rollers are used.

The hopper is large, 20½ in x 16 in at the top, 11 in. deep, and holds a large box of grapes. Is securely attached to frame and is easily removed for cleaning.

The frame is hardwood—to set over a barrel or keg. The frame and hopper are attractively finished in natural wood. Weight 40 lbs.



No. 292—Grape and Berry Crusher—Price \$10.00

THE EAGLE WHEELBARROW

Notice the Four Strong Braces Across Bottom of Tray—Other Barrows Have Only Two Braces

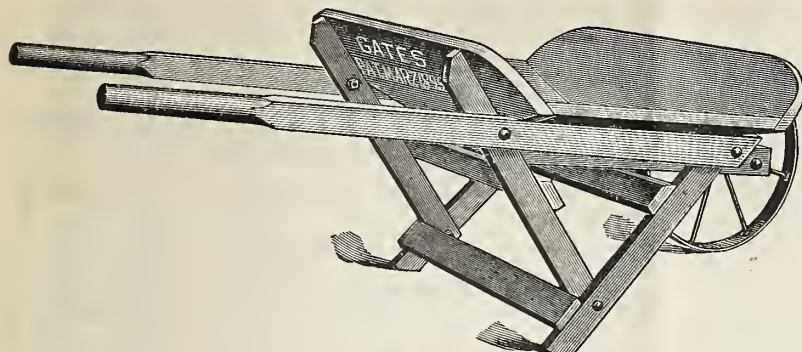


Fig. 1

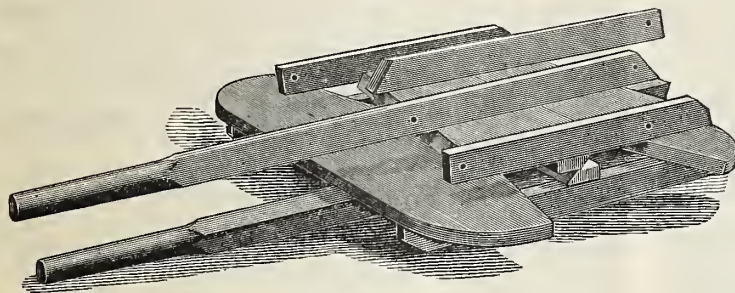


Fig. 2

The superiority of the Eagle Barrow consists in its perfect "knock-down" feature, without sacrifice of utility or simplicity of construction, and by reason of which any part can be substituted or repaired. The tray being on straight lines, even wet material, such as mortar will dump clean. None of the parts being on a strain, it will not pull itself to pieces. The legs, by reason of the peculiar sled runner effects, cannot be jerked off by ordinary use, and in a general way by reason of its well-balanced adjustment of the parts, no one part is liable to wear out sooner than the other and the barrow will last much longer. In all barrows that use bent-wood trays, the wood has been steamed and consequently will crack and become useless.

Price \$7.00
F. O. B. Factory in Ohio
No. 134

The wood of the barrow is complete in four sections as shown packed for shipment in Fig. 2.

MANNER OF "SETTING UP"

The Eagle Barrow is so easily "set up" that it can be done in five minutes while with other barrows it requires not less than from 30 minutes to one hour. The "setting up" is a simple matter by setting the end sections upside down and placing the side sections and the wheels.

THE EAGLE GARDEN BARROW

Handles—58 inches long. Length over all, 67 inches.

Bed—Length inside, 27 inches. Width at Handles, inside, 22½ inches. Width at Wheel, inside, 17½ inches.

Depth—11 inches.

Diameter of Wheel—20 inches. Tire of Wheel,

1½x¼, Spoke of Wheel, 3-16 round steel. 16 Spokes in Wheel.

Hub of Wheel—4½ inches long.

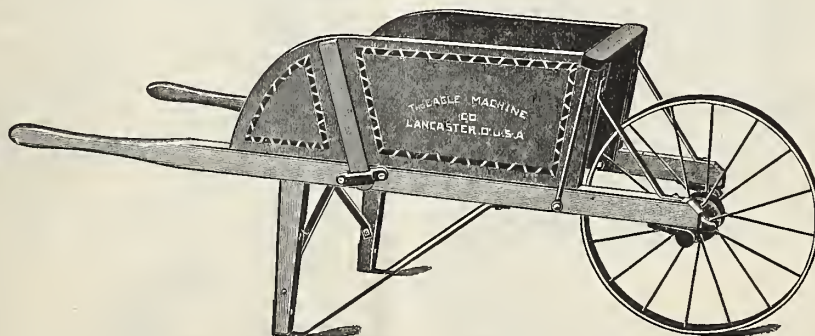
Axle of Wheel—¾ in. round x 15 in. long.

Weight—46 Pounds.

The Barrow is painted Brown, neatly striped and varnished.

Capacity, 3½ cubic feet.

Furnished with Steel
Wheels Only



Price \$8.00
F. O. B. our Ohio
Factory
No. 135

SPRAYING and DUSTING

Some years ago an eminent fruit-growing authority was laughed at because he said he believed that dusting would supersede spraying in large orchards within the next ten years. Five years of that time are not yet up and the fruit growers are turning more and more to dusting. It is the firm belief of the Supply Company that in large commercial orchards the day of the power spraying rig is almost past, and the power dusting outfit is coming into its own.

Up to date there has been devised no perfectly satisfactory dormant dust spray. For this reason it is still necessary—or at least held advisable—to use the old spray pump method for the dormant sprays against the San Jose Scale, Peach Leaf Curl, etc. But there now are so many men working out different theories and methods to produce a perfect dormant dust spray—besides the fact that one or two fairly good materials for this purpose already are on the market, that it seems logical to suppose the next few years will see the dusting outfit entirely superseding the spray rig on the large plantations. And why not? When you consider that—

1. Better results may be accomplished by dusting, at 25 per cent less cost.

2. The air is a better carrier than water. It is easier to float very light particles through the air than to force through the air small drops of water containing those particles.

3. Dusting is the most rapid method. Two men with one outfit can dust 40 acres a day.

4. By the Dust method you can apply your Insecticides or Fungicides when you need them, and you can always cover your orchards in time.

5. You are not dependent on water supply or on labor for dusting. With one good man to drive and yourself, if necessary, to hold the discharge pipe, you are free from labor

troubles—at least so far as spraying is concerned.

6. Dusting produces as good or rather better results than spraying. A statement confirmed by almost any College or Experimental Station Bulletin on the subject.

7. Dusting outfits are easier to move about, because they are light.

8. Dusting outfits are simple in construction.

9. Dusting materials are practically insoluble, therefore little or no injury can occur even to the tenderest foliage.

10. Last and best, dusting practically eliminates the nastiest job of the year, making it virtually play.

We are glad to be able to offer our customers, the very best in the lines of dusting materials and dusting machines.

The Niagara Spray Company, whose machines we handle, make a business of producing nothing else besides Sulphur and Dusting Compounds and Dusting machines.

The Dusting machines are absolutely dependable and will give you the same perfect results that they are now giving to thousands of users.

LET US SEND YOU AN INTERESTING BOOKLET DESCRIBING THE GENERAL CONSTRUCTION OF THE MACHINES IN DETAIL AND TELLING YOU MORE ABOUT THE ADVANTAGES OF DUSTING.

NIAGARA DUSTING MATERIAL STANDARD MIXTURES

Code No.	Name	PRINCIPAL INGREDIENTS	1924 Cost Per Cwt. (in metal drums)	General Use
208—Dormant Dust		Sodium Polysulphide	\$9.50	Dormant dusting for San Jose Scale and Peach Leaf Curl.
209—Pomodust		Sulphur and Lead Arsenate	\$6.80 (in bags)	Standard fruit dust for apples, pears, cherries, plums, etc.
210—Sulfodust		Dusting Sulphur with special spreader and sticker	\$3.75 (in bags)	For apple scab, brown rot, etc. Standard fruit dust fungicide, also used on citrus for rust mite and red spider.
211—95-5		Sulphur and Lead Arsenate	\$5.80 (in bags)	For cherries, peaches, etc., where chewing insects are not serious.
212—80-10-10		Sulphur, Lead Arsenate and Lime	\$6.80 (in bags)	For brown rot, scab and curculio on peaches and similar fruits.
213—85-15		Sulphur and Lead Arsenate	\$7.80 (in bags)	For calyx dust on apples, for codling moths, strawberry weevil and other chewing insects.
214—Fifty-Fifty		Lead Arsenate and Lime	\$14.80 (in bags)	For leaf roller on apples, also cabbage worms, potato bugs, etc.
215—A-1 Mixture		High percentage of quickly volatile nicotine fumes. 3 per cent actual 100 per cent Nicotine.	\$16.50 (in metal drums)	For aphids, red bugs, pear psylla, etc. The best contact dust for sucking insects, both out doors and greenhouse.
216—A2 Mixture		High percentage of quickly volatile nicotine fumes. 1.25 per cent actual 100 per cent Nicotine.	\$12.75 (in metal drums)	For red bug and other sucking insects. Not so active as A-1 Mixture.
217—Special 68		Dehydrated Copper Sulphate, Lime, and Lead Arsenate.	\$9.00 (in metal drums)	For apples, grapes and Pecans. Copper fungicide and poison.
218—Vitidust		Dehydrated Copper Sulphate, Lime, Lead Arsenate	\$10.00 (in metal drums)	For apples and grapes—contains more poison than Spl. 68.
219—Copodust		Dehydrated Copper Sulphate 15 Per cent, Lime and filler	\$6.80 (in metal drums)	For celery dusting.
220—D-6 Mixture		Dehydrated Copper Sulphate 20 Per Cent, Lime and filler	\$7.80 (in metal drums)	For potato dusting, copper fungicide only. Principally for blight control.
221—D-25 Mixture		Dehydrated Copper Sulphate 25 Per Cent, Lime and filler	\$8.80 (in metal drums)	For potato dusting, used where severe blight conditions prevail. Copper fungicide only.
222—D-18 Mixture		Dehydrated Copper Sulphate 20 Per Cent, Calcium Arsenate (Poison) 25 Per Cent, Lime and Filler	\$11.60 (in metal drums)	For potato bugs and blight, copper fungicide and poison. Standard potato mixture.
223—D-20 Mixture		Dehydrated Copper Sulphate 20 Per Cent, Calcium Arsenate (Poison) 20 Per Cent, Lime and Filler	\$10.80 (in metal drums)	For potato bugs and blight, same as above but with less poison.

Prices on Packages of less than 100 lbs. as follows:

- 50 lbs. add 1½ cents per pound.
- 25 lbs. add 2 cents per pound.
- 10 lbs. add 3½ cents per pound.
- 5 lbs. add 4 cents per pound.
- 1 lb. add 5 cents per pound.

ON THE 10, 5 AND 1 POUND SIZE PACKAGE, A MINIMUM CHARGE OF 25 CENTS WILL BE MADE



AUTO-SPRAY NO. 1 Compressed Air Sprayer

Strong, simple compressed air sprayer, equipped with a clog proof nozzle. Made with 3 1/2 gallon brass or galvanized tank, as ordered. The pump is locked to the tank by means of a malleable iron cam lock, very simply operated.

Used for spraying field crops, shrubs, vines, poultry houses, disinfectants and general purposes. Packed for shipment 10 pounds. Equipped complete for spraying with 2 feet 1/2-inch 5-ply hose, solid stream nozzle, fine spray nozzle and auto-pop.

No. 701, Auto-Spray No. 1-B, brass tank with Auto-Pop.....	Price \$9.50
No. 702, Auto-Spray No. 1-D, Galv. tank with Auto-Pop.....	6.50

AUTO-SPRAY NO. 6

Double Acting Bucket Pump

A most powerful bucket pump, which easily generates a pressure of two hundred pounds. It is double acting, producing a continuous spray. Made of brass, equipped with brass suction strainer as well as a strainer in the nozzle. The pump is equipped with a foot rest sixteen inches high, enabling the operator to use almost any bucket or container. It is so constructed that it may be taken apart and re-assembled without the use of tools of any kind.

Equipment includes three and one-half feet of hose. Fine spray and solid stream nozzles made of brass.

Shipping weight, in cartons, six pounds.	Price
No. 707, Auto-Spray No. 6, Brass pump complete	\$4.50

AUTO-SPRAY NO. 42 A New Wheel Barrow Sprayer

This sprayer was carefully designed for strength, simplicity, capacity and long wearing qualities. A pressure of one hundred fifty to one hundred eighty pounds may be maintained, using two nozzles.

The pump is of the differential plunger type, double acting and made entirely of brass. The length of the stroke is adjustable and the agitation is thoroughly efficient.

It is made with the twelve-gallon tank, brass or galvanized, and truck with twenty-inch wheel.

This sprayer is equipped with eight feet of 3/8-inch hose and auto-spray nozzle.

No. 717, Auto-Spray No. 42-A, brass tank, capacity 12 gallons	Price \$24.00
No. 718, Auto-Spray No. 42-B, galv. tank, 12 gallons	12.00
No. 719, Auto-Spray No. 42-C, brass tank, 12 gallons, with truck	33.00
No. 720, Auto-Spray No. 42-D, galv. tank, 12 gallons, with truck	26.00

STRAINERS

Brass or Galvanized

Made to fit in the tank of compressed air sprayer or any container with an opening of 1 1/4 to 4 in.

No. 721, Strainer, brass	Price \$1.20
No. 722, Strainer, galvanized .....	.70



No. 735, Auto-Pop—An automatic shut-off made entirely of brass, for attachment to 1/2-inch hose

No. 736, Brass Elbow, for reaching the under side of the leaves



AUTO-SPRAY NO. 5 Double Acting Hand Pump Sprayer

It's Double Acting



The Same Spray With Half The Labor

An ideal all purpose hand sprayer made entirely of brass. It is double acting, producing a continuous spray, and will generate a pressure of two hundred pounds. It is equipped with extra nozzles of special design for long distance, such as is needed for the spraying of trees, solid stream and fine spray, also two and one-half feet of one-half inch suction hose, and an iron extension with strainer attached, which fits in bucket. Can be supplied with galvanized steel or brass tank to carry as a knap-sack extra.

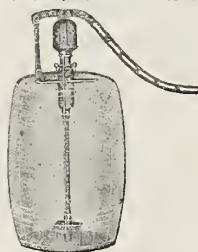
No. 703, Auto-Spray No. 5, pump nozzle, hose and strainer.....	Price \$4.50
No. 704, Galvanized iron tank.....	3.00
No. 705, Brass tank.....	6.00
No. 706, Curved extension, brass.....	.50

AUTO-SPRAY NO. 24

Barrel Sprayer for Orchard and Field Crops

The pump, which is of the plunger type, operates easily and will develop high pressure, using one or two leads. Unless otherwise ordered, pump is furnished for mounting on top of barrel. We furnish directions when a customer mounts his own pump.

SPECIFICATIONS:—Shipping weight, pump only, crated, 60 pounds net; on barrel, 140 pounds; on tank, 200 pounds; barrel cart without barrel, 120 pounds.



Outfit and Equipment:

No. 708, No. 24-A, pump only, no fittings	Price \$24.55
No. 709, No. 24-B, mounted on top of new barrel, no fittings	34.45
No. 710, No. 24-C, mounted on 100-gal. tank, no fittings	50.65
No. 711, No. 24-D, pump mounted on new barrel with cart, no fittings	52.25
No. 712, Barrel cart, with 50-gal. barrel	25.75
No. 713, Barrel cart, without barrel	17.40
No. 714, Outfit 240, pump on barrel with one lead 15 ft. 1/2-inch discharge hose, one 9-ft. bamboo brass-lined extension and brass Non-Clog Junior Nozzle	42.75
No. 715, Outfit 241, pump on 100-gal. tank with equipment as in outfit 240	57.00
No. 716, Outfit 242, pump on barrel with cart, with equipment as in outfit 240	59.85

Agitator included with all outfits.

Bamboo Brass-lined extension—Fitted with stop cock made in following lengths.



No. 725, 8-ft. length.....	\$3.50	No. 727, 10-ft. length.....	\$3.90
No. 726, 9-ft. length.....	3.70	No. 728, 12-ft. length.....	4.30
		No. 729, 20-ft. length.....	\$6.00

No. 730, Hose, special brand, 5-ply, 1/2-inch	Price per ft. \$.20
No. 731, Hose, special brand, high pressure, 1/2-inch .....	.25
No. 732, Hose, special brand, suction, 1/2-inch .....	.20
No. 733, Hose, special brand, high pressure, 3/4-inch .....	.14
No. 734, Suction Hose, high grade, 1-inch .....	.30

Extensions—Brass or Galvanized for use with compressed air or Bucket Sprayer.



No. 737, Extensions in sections of 2 ft. cost (brass)	\$5.50
No. 738, Extensions in sections of 2 ft. cost (galv.) .....	.40

TWO ROW ATTACHMENT—All Brass



The nozzles are 9 1/4 inches apart and arranged at such an angle that they properly cover two rows at one operation.

No. 723, Two Row Attachment, two nozzles	Price \$2.10
Stop Cock made entirely of brass, has tail piece for 1/2-inch hose and 1/4-inch pipe thread.	
No. 724, Stop Cock	Price \$.50

SUNOCO

SELF EMULSIFYING SPRAY OIL

A SUMMARY OF ITS USES

Dormant Spray, Summer Spray, Spreader and Sticker

A self-emulsifying spray oil—ever-ready, permanent, fulfilling every demand. An economical, non-poisonous, non-corrosive spray material.

Emulsifies readily with any ordinary water.

Convenient to handle; no clogging of spray apparatus.

Will not deteriorate from season to season.

Will not freeze in original form.

Concentrated, 99% active.

An All-Season Spray

Here is a new product which in many tests by experiment stations, experts and fruit growers has proved its remarkable merit. As a control for many kinds of insect pests of fruit, shade and ornamental trees and shrubs it is the ideal spray. No danger of injury to any trees or shrubs when directions are followed.

Dormant Spray

An economical, effective and complete control of scale insects, red spider, leaf roller, aphids, thrips and certain other insects that overwinter on trees can be had by using SUNOCO SPRAY OIL, 1 part to 18 or 20 parts of any ordinary water.

It emulsifies readily and remains permanent in emulsified condition.

One dormant spray per year is sufficient. Best results are secured when applied in spring just before foliage buds open. Any time after foliage drops SUNOCO SPRAY OIL can be used effectively.

Caution: Do not spray trees with any oil emulsion when the temperature is below 40 degrees Fahrenheit.

Summer Spray

For aphids, red spider, thrips, young crawling scale, etc., use SUNOCO SPRAY OIL, 1 part to 50 parts of water or bordeaux mixture on apple, pear, shade trees, and evergreens. Woolly aphids on pine, green aphids on spiraea, Chrysanthemum, rose, etc., can be readily controlled by two successive sprayings of SUNOCO SPRAY OIL at 1 part to 75 of water or bordeaux mixture. Do not use stronger than 1 part to 100 on peach, plum or grape foliage.

Spreader and Sticker

SUNOCO SPRAY OIL, 1 part to 150 or 200 parts of bordeaux mixture, nicotine solutions, with or without lead arsenate, will act as a remarkable "spreader and sticker." The success of SUNOCO SPRAY OIL as a spreader for bordeaux mixture and lead arsenate on grapes has been proved in many tests by large grape

growers. Used in this manner the oil kills young crawling scale, young aphids, red spider, and thrips.

SUNOCO SPRAY OIL fulfills every condition of the ideal oil spray. It is safe, non-poisonous to man or animal, will not freeze, separate, nor deteriorate in cold weather, and can be kept from season to season. It emulsifies readily and permanently with any ordinary water.

Price List

F. O. B. Factory or nearest Distribution Point

Non-returnable drums

No. 345—50 gallons.....	50 cents per gallon
No. 346—30 gallons.....	60 cents per gallon
No. 347—15 gallons.....	70 cents per gallon

Cans

No. 348—5 gallons.....	\$1.15 per gallon
No. 349—1 gallon.....	1.50 per gallon

Note: Sun Oil contains no water, therefore in buying some you do not spend money for liquid that you can get from your faucet at home.

KEY BRAND GRAFTING WAX.

For all pruning and grafting purposes. Very convenient when trimming trees and shrubbery. Affords necessary protection. Comes in sticks and is quickly and easily handled. This item is one of such general use it should always be carried in ample quantities to meet every contingency. During winters when there is lots of snow, rabbits, mice, etc., often damage twigs and branches by nibbling at all they can reach, then grafting wax is required in larger quantities.

No. 350—1 lb. package.....	50c
No. 351—½ lb. package.....	30c
No. 352—¼ lb. package.....	20c

Postage extra.

KEY BRAND TREE WOUND PAINT

Prevents decay after pruning. This residuum, penetrating antiseptic paint is not affected by heat, cold or moisture. Does not peel, crack or get brittle. Stops tree bleeding.

No. 353—50 gal. barrel.....	\$75.00
No. 354—5 gal. can.....	9.00
No. 355—1 gal. can.....	2.50
No. 356—1 qt. can.....	90c

KEY-RITE DISINFECTANT.

General coal tar disinfectant of two to three times the strength of carbolic acid. Effective for veterinary use; for households, and for cleaning buildings occupied by cattle, horses, dogs, hogs and poultry.

No. 357—50 gal. barrel.....	\$50.00
No. 358—30 gal. barrel.....	35.00
No. 359—5 gal. barrel.....	7.00
No. 360—1 gal. can.....	1.75
No. 361—1 qt. can.....	70c

KEY WEED.

Destroys weeds in paths, roads and gutters. Kills roots as well as tops of all weed and grass growths. Easier and less expensive than hoeing and digging by hand. Very effective in walks and cobbled gutters without injury to roadbed. Does not discolor cement. Usually prevents growth for season.

NOTE: Dilute 1 part Weed Killer to 40 parts water and apply with sprinkling can or cart.

No. 362—50 gal. barrel.....	\$50.00
No. 363—30 gal. barrel.....	35.00
No. 364—5 gal. can.....	7.00
No. 365—1 gal. can.....	1.75
No. 366—1 qt. can.....	.70

KEY BRAND LIQUID FLY SPRAY.

For protection of horses, cattle, dogs and hogs from flies, mosquitoes, fleas and lice. A remarkably clean liquid spray which prevents and destroys lice and ticks on cattle and vermin on hogs and in hen coops. Harmless to use and non-penetrating. Easily applied with hand sprayer.

No. 367—50 gal. barrel.....	\$50.00
No. 368—5 gal. can.....	7.00
No. 369—1 gal. can.....	1.75
No. 370—1 qt. can.....	70c

PYROX.

An insecticide and fungicide for eating insects, blights and fungus. Mix with water to apply. Price,

No. 371—1 lb. bottle.....	50c
No. 372—5 lb. crock.....	\$1.75
No. 373—10 lb. crock.....	3.00
No. 374—25 lb. crock.....	6.25
No. 375—50 lb. keg.....	11.25
No. 376—100 lb. keg.....	18.00
No. 377—300 lb. keg.....	51.00

NICOTINE FUMIGATOR.

For greenhouses. 1½% nicotine. A simple and effective preparation for fumigating greenhouses, for plant-lice and thrips. It is specially prepared tobacco powder, which has been treated to insure proper burning qualities, and which is saturated with pure nicotine. Price,

No. 378—10 lb. tin.....	\$8.75
No. 379—2½ lb. tin.....	2.75
No. 380—1 lb. tin.....	1.35

For packed weight add one pound.

NICOTINE SOLUTION 40% FREE NICOTINE.

For spraying and vaporizing in greenhouses. An efficient preparation of purified free nicotine for the control of plant-lice and similar soft-bodied insects. It is used in greenhouses as a spray for the same purpose as nicotine sulphate is used for outside work. Being in the volatile, or free state, it is also used as a fumigant by vaporizing in any convenient manner. Price,

No. 381—8 lb. tin.....	\$15.00
No. 382—2 lb. tin.....	4.25
No. 383—½ lb. tin.....	1.40

NICOTINE SULPHATE SOLUTION AS A SPRAY.

This is a concentrated solution of nicotine in the form of nicotine sulphate containing 40% of actual nicotine by weight. It is practically non-volatile and should be used for all outdoor spraying and dipping, where nicotine is effective, but should not be used for vaporizing. Nicotine sulphate may be combined with arsenate of lead, lime sulphur, Bordeaux mixture or oil emulsions. Price,

No. 384—10 lb. tin.....	\$13.50
No. 385—2 lb. tin.....	3.50
No. 386—½ lb. tin.....	1.25

TREE TANGLEFOOT.

No crawling insect can pass a band of tree tanglefoot. Apply early in the spring—and again in the fall if troubled with the fall canker worm. One pound for 6-foot band 4 inches wide, 1 1/16 inch thick. Price,

No. 387—1 lb. cans.....	60c
No. 388—5 lb. cans.....	\$2.75
No. 389—10 lb. cans.....	5.25
No. 390—25 lb. pails.....	11.00

HOLDZEM.

An adhesive, especially prepared for catching rodents in house and barn. Preferable to poison or traps. Non-poisonous, non-inflammable. Spread it on a board. Price,

No. 391—1 lb. tins.....	\$2.00
No. 392—5 lb. tins.....	8.75

For packed weight add one pound.

*SUPERFINE POWDERED ARSENATE OF LEAD

Better than Paris Green. Does Not Burn Foliage. For wet spraying or dry dusting. Has all the advantages of Arsenate of Lead Paste—goes twice as far—and is easier to handle and measure out. One pound makes from 15 to 25 gallons of solution ready to apply.

NOTE: Contains over 30% Arsenic Oxide of which less than $\frac{1}{4}$ of 1% is soluble in water.

Factory packed in securely lined packages and sift proof printed boxes.

No. 393, 200-lb. packages....\$52.00	No. 397, 10-lb. packages.....\$4.00
No. 394, 100-lb. packages....27.50	No. 398, 5-lb. printed boxes...2.25
No. 395, 50-lb. packages....15.00	No. 399, 1-lb. printed boxes... .50
No. 396, 25-lb. packages....9.00	

ARSENATE OF LEAD PASTE

For Caterpillars, Codling Moth, Fruit Flies and All Leaf Chewing Insects. Mixes easily in water, stays in suspension well and does not clog nozzle. Sticks like paint, kills quick and will not burn foliage. One pound makes about 12 gallons ready to apply.

NOTE: Contains over 15% Arsenic Oxide.

Factory packed in substantial packages and handsome lithographed cans.

No. 400, 600-lb. package....\$80.00	No. 405, 12 $\frac{1}{2}$ -lb. kegs.....\$3.00
No. 401, 300-lb. package....48.00	No. 406, 10-lb. lithographed cans 2.75
No. 402, 100-lb. kegs.....18.00	No. 407, 5-lb. lithographed cans 1.75
No. 403, 50-lb. kegs.....10.00	No. 408, 1-lb. lithographed cans .40
No. 404, 25-lb. kegs.....5.75	

*CALSIUM ARSENATE POWDER

Safer and Better to Use than Paris Green. Has higher poison contents than Arsenate of Lead. For spraying potatoes, tobacco and trees against chewing and leaf eating insects. Kills quick, does not burn the foliage and sticks to leaves. Mixes easily with water and can be used either wet or dry. Can be combined with Lime Sulphur or Bordeaux Mixture. One pound makes about 40 to 50 gallons.

NOTE: Contains 38-40% Arsenic Oxide and less than 1% soluble in water.

Factory packed in securely lined packages and sift proof printed boxes.

No. 409, 200-lb. packages....\$40.00	No. 413, 10-lb. packages.....\$3.35
No. 410, 100-lb. packages....21.00	No. 414, 5-lb. printed boxes...1.75
No. 411, 50-lb. packages....12.00	No. 415, 1-lb. printed boxes... .45
No. 412, 25-lb. packages....7.00	

KAL-FOS

Bone Builder and General Tonic for Animals

No. 513, 1lb.\$75	No. 514, 5 lbs.\$3.00
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EGG-SAVER

For Saving Eggs for Winter Use

No. 515, \$50 quart can

KRYSTAL GAS

Kills Peach Tree Borers

No. 516, 1-lb. tin\$1.00	No. 517, 5-lb. tin\$3.75
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MOTH-KIL

"Kill the Moth and Save the Cloth"

No. 518, \$.75 a tin

*KEY BRAND POWDERED HELLEBORE

For the Destruction of Slugs, Worms, Caterpillars, etc. Less poisonous than Paris Green or Arsenate of Lead and safer to use when fruits and vegetables are nearly ripe. Apply powder just as it comes from package.

Factory packed in sift proof printed boxes in the following sizes:

No. 416, 5-lb. printed boxes...\$2.75	No. 417, 1-lb. printed boxes....\$6.00
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*KEY BRAND FISH OIL SOAP

For Destruction of Sucking Insects and Lice on Plants and Trees. Also essential as a spreader of nicotine sprays. Dissolve 1 pound Fish Oil Soap in 2 quarts of hot water, then add eight to ten gallons of cold water and apply with watering pot or sprayer. It may also be applied to trunks of trees and branches with a brush. One pound makes 8 to 10 gallons.

NOTE: Contact insecticide for soft-bodied insects.

Factory packed in substantial kegs and packages in the following sizes:

No. 418, 100-lb. kegs\$14.00	No. 421, 10-lb. packages.....\$3.00
No. 419, 50-lb. kegs7.50	No. 422, 5-lb. packages1.10
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DRY LIME SULPHUR

For Dormant Spraying of Fruit or Shade Trees and Bushes against San Jose and Oyster Shell Scale. Also Peach Leaf Curl and Brown Rot of Peaches. Used for same purposes and has all the effectiveness of Lime Sulphur and is much easier and far more pleasant to handle.

NOTE: One pound makes $3\frac{1}{2}$ to 5 gallons.

Factory packed in substantial barrels and sift proof packages.

No. 434, 200-lb. packages....\$18.00	No. 437, 10-lb. packages....\$3.35
No. 435, 100-lb. packages....15.00	No. 438, 5-lb. packages.....1.40
No. 436, 25-lb. packages....4.75	No. 439, 1-lb. packages......35

*LIQUID LIME SULPHUR SOLUTION

For Dormant Spraying of Fruit and Shade Trees. Also for summer spraying of fruits for all forms of Scale insects and for Peach Leaf Curl, Apple Scab, Strawberry and Asparagus Rust. One gallon makes about 9 gallons for a dormant spray and about 40 gallons for summer spraying.

NOTE: Standard 33° Baume test.

Factory packed in substantial barrels and convenient cans.

No. 430, 50-gal. barrels....\$16.00	No. 432, 5-gal. cans.....\$4.35
No. 431, 30-gal. barrels....11.50	No. 433, 1-gal. cans.....1.25

PARA-DICHLORO-BENZENE

For Peach Tree Borer. When placed around the base of a Peach Tree, will generate a gas that will kill the borers in that tree. Use about one ounce per tree. Full directions on container.

PACKED

No. 434, 200-lb. packages....\$74.00	No. 438, 10-lb. packages.....\$5.00
No. 435, 100-lb. packages....38.00	No. 439, 5-lb. packages.....2.75
No. 436, 50-lb. packages....21.00	No. 440, 1-lb. packages......65
No. 437, 25-lb. packages....11.50	

*TARGO (Calcium Arsenate Bordo)

Combined Insecticide and Fungicide for Potatoes and Vegetables. Actually reduces spraying cost. Nearly as strong in killing power as Paris Green and can be used without danger of burning. Easy to use wet or dry and always sticks. This modern poison is worked out so scientifically under the recommendations of leading agricultural experts that it can be sold with confidence knowing that Targo will not burn, is a sure bug killer and a preventative against rust.

NOTE: Contains 11% Metallic Copper and 13% Metallic Arsenic.

Factory packed in substantial packages in the following sizes:

No. 441, 200-lb. packages....\$54.00	No. 443, 50-lb. packages....\$15.50
No. 442, 100-lb. packages....28.00	No. 444, 25-lb. packages....8.75

*NO. 7 KEY GREEN (Powdered)

Bordeaux Mixture and Paris Green Combined, for use on potatoes and some other hardy vegetables. Use 5 lbs. to 50 gallons water.

NOTE: Contains 50% Paris Green and 50% Bordeaux Mixture.

PACKED

No. 445, 200-lb. packages....\$60.00	No. 448, 25-lb. packages....\$11.50
No. 446, 100-lb. packages....31.00	No. 449, 10-lb. packages....5.00
No. 447, 50-lb. packages....18.50	

*CHAMPION TREE KILLER

Is Sure to Kill All Kinds of Trees in from Three to Ten Days, if Properly Applied. The leaves fall, because the tree is dead, never to sprout again. The limbs, trunk, and roots at once begin to rot and will be gone many months ahead of the old, slow, uncertain way of belting and trusting to luck that the tree will die, even the next year.

Champion Tree Killer Will Not Fail if You Handle It Right. It is poisonous, but there is no danger if you keep it out of your mouth. Stock can graze on the land without danger; even if they eat the leaves that fall from the dead trees, it will do them no harm. Use it any time the trees are in leaf, and before grass or weeds mature seed.

No. 450, 2-gal. ....\$3.50	No. 453, 10-gal. ....\$12.50
No. 451, 3-gal. ....3.75	No. 454, 30-gal. ....34.50
No. 452, 5-gal. ....6.25	No. 455, 50-gal. ....57.50

*KEY CIDE POWDER

This Bordo Lead Powder is a Combined Insecticide and Fungicide. Kills bugs and prevents blight, rot, mildew and fungus in one spraying operation. For wet spraying or dry dusting on fruits, vegetables or flowers. Complete spray for gardens. One pound makes about 7 gallons ready to apply.

NOTE: Contains 10% Metallic Copper and 24% Dry Arsenate of Lead.

Factory packed in securely lined packages and sift proof printed boxes.

No. 456, 200-lb. packages....\$58.00	No. 459, 25-lb. packages....\$9.35
No. 457, 100-lb. packages....30.00	No. 460, 10-lb. packages....4.35
No. 458, 50-lb. packages....16.50	

*KEY BRAND QUICK BORDEAUX MATERIAL

For Apples, Grapes and Vegetables of All Kinds. Different from other prepared fungicides because the special physical conditions of materials permit going into solution quickly giving a perfect Bordeaux Mixture that is fresh and strong. Dilute 10 pounds with 50 gallons of water for a 3-3-50 Bordeaux Mixture.

NOTE: Contains 8-10% Metallic Copper.

Factory packed in sift proof packages in the following sizes:

No. 461, 10-lb. packages....\$2.00	No. 462, 5-lb. packages....\$1.25
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*KEY BRAND ARSENITE OF ZINC POWDER

For Liquid Applications on Potatoes and Tomatoes. Use 2 lbs. to each acre treated. Use 1 to 2 lbs. to each 50 gallons of water.

NOTE: Contains not less than 90% dry arsenite of zinc.

PACKED

No. 463, 200-lb. package....\$56.00	No. 466, 25-lb. package....\$9.00
No. 464, 100-lb. package....29.35	No. 467, 10-lb. package....4.50
No. 465, 50-lb. package....16.50	No. 468, 5-lb. package....2.75

*BORDEAUX MIXTURE POWDERED

For Blight, Mildew, Rust, etc. It has all the advantages of paste with double the strength. Goes twice as far. Used for dry dusting or wet spraying. Dilute 1 pound to about 8 $\frac{1}{2}$ gallons of water for 3-3-50 formula.

NOTE: Contains over 12 $\frac{1}{2}$ % Metallic Copper.

Factory packed in securely lined packages and sift proof printed boxes.

No. 469, 200-lb. packages....\$33.50	No. 472, 25-lb. packages....\$5.75
No. 470, 100-lb. packages....17.25	No. 473, 10-lb. packages....2.75
No. 471, 50-lb. packages....10.00	No. 474, 5-lb. printed boxes...1.50

SPECIAL BORDEAUX MIXTURE POWDER

This Concentrated Fungicide is Very Effective because of the high copper content. It costs more a pound but less per gallon of spray material. It is particularly desirable for those preferring a commercial Bordeaux in its most concentrated form. The high poison content of 22% Metallic Copper affords a material that is unusually strong and makes the most effective mixture in the market. Only 3 $\frac{1}{2}$ pounds to 50 gallons of water makes 3-3-50 solution.

NOTE: Contains over 22% Metallic Copper.

Factory packed in securely lined sift proof packages.

No. 475, 200-lb. packages....\$54.00	No. 477, 50-lb. packages....\$15.50
No. 476, 100-lb. packages....28.00	No. 478, 25-lb. packages....8.75

*BORDEAUX MIXTURE PASTE

For Blight, Mildew, Rust and Fungus Diseases. Also prevents and checks Black Rot and Scab and acts as a deterrent for insects on fruit and vegetables. Dilute 1 pound to about 4 gallons of water for 3-3-50 formula.

NOTE: Contains 7% Metallic Copper.

Factory packed in substantial packages and in handsome lithographed cans.

No. 479, 400-lb. packages....\$56.00	No. 483, 25-lb. packages....\$5.00
No. 480, 300-lb. packages....42.00	No. 484, 10-lb. steel cans....2.25
No. 481, 100-lb. packages....15.00	No. 485, 5-lb. steel cans....1.35
No. 482, 50-lb. packages....9.00	No. 486, 1-lb. lithographed cans .35

*BORDO LEAD PASTE

Insecticide and Fungicide—Two Sprays in One. Arsenate of Lead combined with special Bordeaux Mixture that in one spraying operation kills insects and prevents blight, mildew, rust and fungus diseases. Sticks like paint and remains on foliage. One pound makes about 3 gallons ready to apply.

NOTE: Contains 5% Metallic Copper and 25% Dry Arsenate of Lead.

Factory packed in substantial packages and handsome lithographed cans.

No. 487, 500-lb. packages....\$95.00	No. 491, 25-lb. packages....\$6.00
No. 488, 300-lb. packages....58.00	No. 492, 10-lb. lithographed cans 3.00
No. 489, 100-lb. packages....20.00	No. 493, 5-lb. lithographed cans 1.75
No. 490, 50-lb. packages....11.00	No. 494, 1-lb. lithographed cans .45

*PARIS GREEN

For Use against Potato Bugs, Tobacco Worms, etc. Strictly pure Paris Green with the maximum amount of combined arsenic and a minimum of soluble or uncombined arsenic. Reliable and effective in killing bugs with a minimum danger of burning foliage.

NOTE: Contains 60% Arsenious Oxide and less than 3 $\frac{1}{2}$ % soluble in water.

Factory packed in substantial packages in the following sizes:

No. 495, 300-lb. kegs.....\$130.00	No. 499, 14-lb. kegs.....\$6.50
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No. 497, 56-lb. kegs.....24.00	No. 501, 2-lb. packages.....1.25
No. 498, 28-lb. kegs.....13.75	No. 502, 1-lb. packages......60

*KEY BRAND CUT WORM KILLER

For Use as Poisonous Bait against Cut Worms and Slugs by placing around plants subject to attack. It has an enticing odor that worms prefer to vegetation.

NOTE: One pound is sufficient for 100 plants in hills or 75 in rows.

Factory packed in substantial packages and sift proof printed boxes.

No. 503, 100-lb. packages....\$19.00	No. 505, 5-lb. printed boxes....\$1.50
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If the poison has been washed off by rains infections may easily develop. Kayso makes the cover of poison durable. Dormant spray containing Kayso will remain on the bark long after the ordinary spray has been washed off.

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No. 508, Sacks, paper lined, of 50 lbs., per lb.21
No. 509, Sacks, paper lined, of 25 lbs. (cased 12 per ctn), per lb.22
No. 510, Paper bags holding 1 $\frac{1}{2}$ lbs., 30 per case, per lb.23
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HUMOGERM is a culture of bacteria especially selected and bred for maximum vitality, and ability to form nodules and take nitrogen from the air. They are carried in a sterilized, finely ground,

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Unless the soil is very acid or wet HUMOGERM will:

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2. Increase the food value of legumes.
3. Get a catch for legumes in new territory, where they cannot otherwise be grown successfully.
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Place seed in pile, moisten slightly with water and a little sugar, pour on HUMOGERM, mix thoroughly and plant in usual way.

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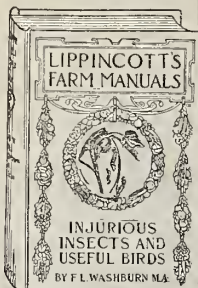
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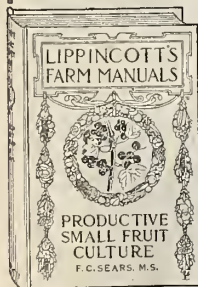
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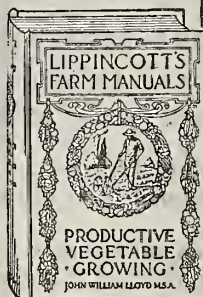
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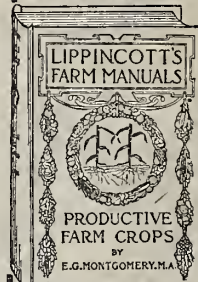
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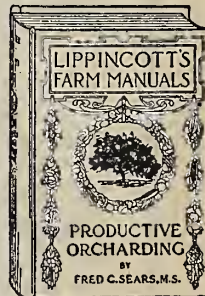
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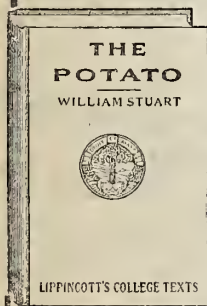
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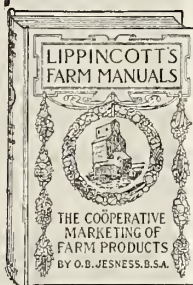
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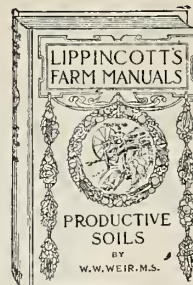
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To see marks on paper is too often accepted at its "face value." Colored water is NOT ink.

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10 pounds... 9.50 "
25 pounds... 9.00 "
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Number 243 cuts limbs 1½ inches in diameter easy and perfect. It has two cutting blades drop forged from tool steel, and with patented leverage is the most powerful pruner built. Besides the double leverage this Pruner has an addition of two separate cutting powers which is provided by the slots in the handles. If any time the blades are wedged in the limb and more power is required it may be obtained by stopping the pressure on the handles and pulling each handle into the middle notch, this change increases the original power 25%. If more power is required pull the handles into the last notch increasing the power 50%. Two springs are provided which return the blades to their original position after the full amount of leverage has been used. Do not strain this Pruner but shift gear when necessary. Weight 5¼ lbs., Length 30 inches, Price \$6.00. We guarantee all Pruners against defective material and workmanship. This guarantee does not cover machines broken by accident or misuse.

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No. 664—½ Bu., 13¼x9	8.10
No. 665—¾ Bu., 15½x10¼	9.60
No. 666—1 Bu., 17½x11	12.00
No. 667—1½ Bu., 19x4	16.50
No. 668—2 Bu., 20½x15	22.50
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FRUIT PICKER



To be attached to a long pole. While we do not recommend these fruit pickers for general picking, owing to their likelihood of breaking fruit spurs. They are useful in getting the best colored fruit which is often out of reach of the ladder. Shaped so the apple always rolls to the bottom; does not drop. Large enough to take several apples. Made of heavy wire. Will last a life time.

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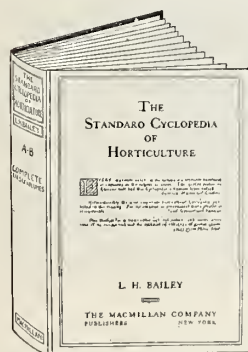
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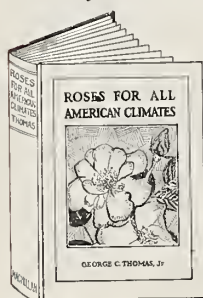
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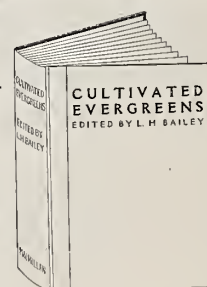
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Ten cents additional must be added for postage.

THE ORCHARD & GARDEN SUPPLY COMPANY

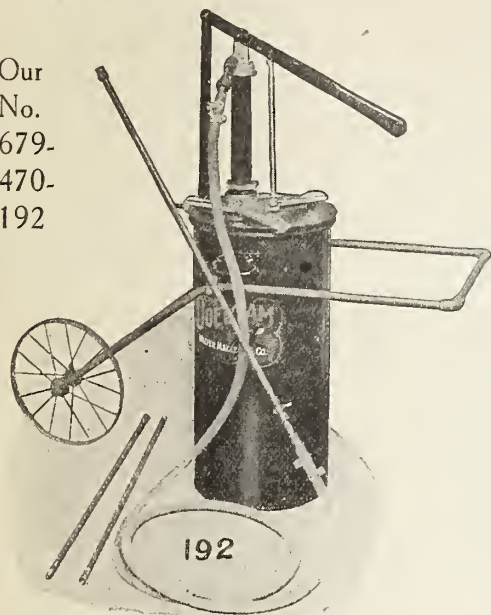
NORTHAMPTON, MASSACHUSETTS

Our No. 679-470 Price \$45.00

Code Word YELYN.

Net weight, 70 lbs. Gross weight, 130 lbs. Boxed export, 8 cu. ft. Same as our No. 469, except with truck.

Our
No.
679-
470-
192



No. 680-462 Price \$60.00

30 Gallon Tank

Code Word YELAH

Net weight, 35 lbs. Gross weight, 150 lbs. Boxed export, 10 cu. ft. Equipment: 2 spray nozzles, 20 ft. spray hose, 10 ft. spray pipe. For extra hose, see below.

This Sprayer is the best all-round Sprayer. It is easily moved around and holds a large supply of whitewash or cold water paint.

You will be well satisfied with this outfit.

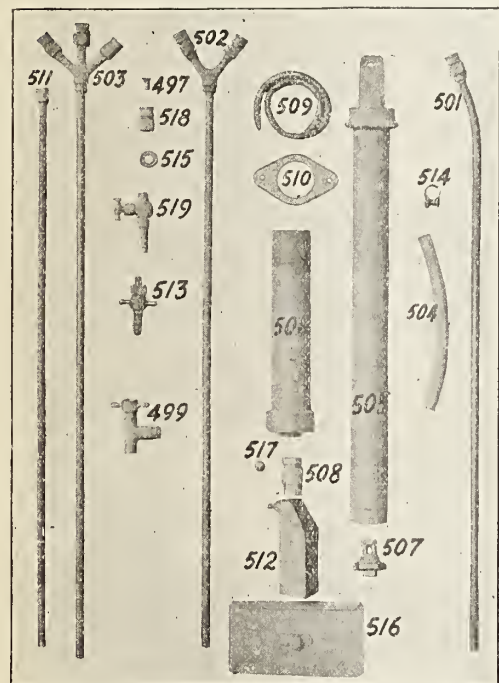


Our No. 680-462

No. 681-465 Code Word, YELJO Price \$20.00

Net weight, 35 lbs. Gross weight, 50 lbs. Boxed export, 3 cu. ft. Capacity, 3½ gallons. Equipment: 2 spray nozzles, 4 ft. spray hose, 3 ft. spray pipe.

FITTINGS and SPARE PARTS



No.		Price
682—501	Single Spray	\$1.00
683—502	2-Way Spray	2.00
684—503	3-Way Spray	2.50
685—504	3/8 Special Hose, per ft.....	.22
686—505	Plunger, complete	3.50
687—506	Barrel, complete	3.50
688—507	Bottom Check in Plunger.....	1.50
689—508	Bottom Check under Barrel.....	.50
690—509	Packing for Plunger .....	.20
691—510	Top Gland Nut	1.00
692—511	Extension Pipe, per ft.....	.15
693—512	Strainer, complete .....	.70
694—513	Hose Coupling .....	.50
695—514	Hose Band .....	.10
696—515	Hose Washers, per doz.....	.10
697—516	Agitator Plate .....	.20
698—517	Ball for Check Valve.....	.15
699—518	Mist Spray	1.50
700—519	Cock with hose connection.....	1.50

NOTE:—All Macleod Service Sprayers and accessories are shipped direct from
Factory in Cincinnati, Ohio.

Special Booklet on Power Sprayers on request.

MACLEOD SERVICE SPRAYERS

—BUILT FOR SERVICE—

These hand power Sprayers are used for variety of purposes, doing good service spraying fruit trees, spraying oil, whitewashing, etc.

Compared with other Sprayers on the market, and there are lots of them, some built to sell, not built for service, this Sprayer has many advantages among which are the following:

The pump barrel is brass, the plunger is brass, the air chamber is brass. There are no provoking cup leathers used in the plunger; the latter acts like a solid piston or plunger but is hollow, the centre of which forms the air chamber.

You don't see this construction in other makes of spray pumps because this system costs more money, but the Macleod Service Sprayer must be built for service, not low first cost.

We have built Sprayers for 25 years, we ought to know what is needed in a Sprayer, and this Sprayer is the result of that experience.

All check valves are vertical, right over each other, obviating any air lock. Anyone having experience with other makes will certainly appreciate this advantage.

You can get at the check valves without uncoupling the hose or tearing machine apart.

The strainer is well designed, automatic, self-cleaning, no lumpy or dirty material can pass through the pump.

FOR FARMERS and FRUIT GROWERS

The fine mist produced by this Sprayer will save your spraying solution, do a better job, and cover more surface.

FOR MANUFACTURERS

Will disinfect and whiten Foundries, Machine Shops, Packing Houses, Stockyards, Stables, Dairies, Slaughter Houses, Poultry Houses, Warehouses, Public Institutions, Apartment Buildings, Bakeries, Hospitals, Mills of every description, Jails, Factories, Cold Storage Plants, Mines for laying of dust and whitewashing, and wherever good light and sanitation is desired.

SPEED

Depends on the operator and character of work done. A space 10 by 15 feet has been done in one minute, and well done.

Our No.
675-461



No. 675-461 - Price \$60.00
Code Word, YEKUL

Net weight, 110 lbs. Gross weight, 175 lbs. Suitable for large fruit growers and farmers. Equipment includes one 50 gal. barrel, one 3-way spraying nozzle, one single spray nozzle, 12 ft. sectional pipe or bamboo pole, 25 ft. spray hose.

No. 676-498 - Price \$36.00
Code Word, YEROR

Same as No. 461 but without barrel.
Net weight, 50 lbs. Gross weight, 90 lbs.

Our No. 677-466 Code Word YELOL. Price \$30.00

Net weight, 30 lbs. Gross weight, 75 lbs. Boxed export, 4 cu. ft. Capacity tank, 6 gallons. Equipment: 2 spray nozzles, 5 ft. spray hose, 5 ft. spray pipe. If extra hose is required, see page over.

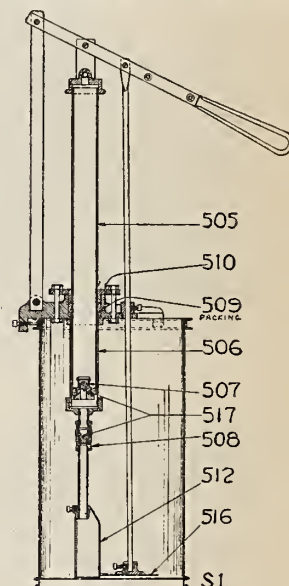
Our No. 678-469 Code Word YELUM. Price \$39.00

Net weight, 50 lbs. Gross weight, 90 lbs. Boxer export, 5 cu. ft. Capacity tank, 12 gallons. Equipment: 2 spray nozzles, 10 ft. spray hose, 8 ft. spray pipe. For extra hose, see page over.

Section through the Macleod Service Sprayers

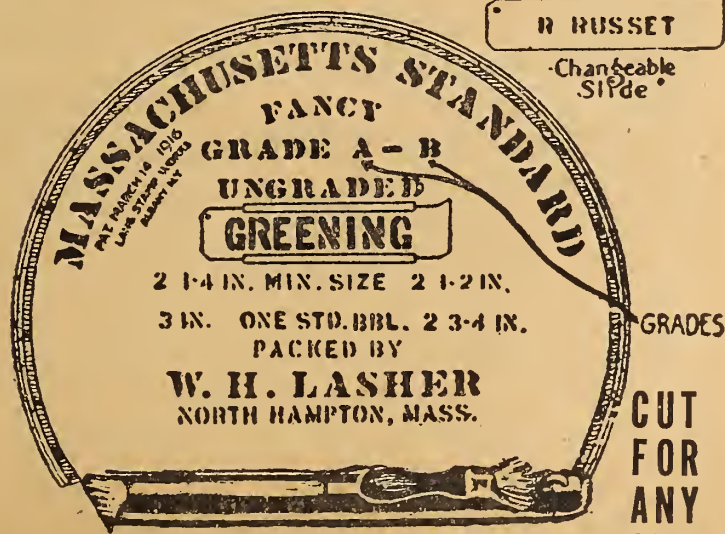
showing their simplicity and construction. Anyone having had experience with Sprayers will recognize the superior construction.

BRASS PUMP
BRASS PLUNGER
BRASS AIR CHAMBER



Our Nos.
677-468
678-469

FRUIT GROWERS AND PACKERS QUICK CHANGEABLE STENCIL



Pat. March 14, 1916

CUT
FOR
ANY
STATE

FOR SALE BY

The Orchard & Garden Supply Co.

NORTHAMPTON, MASS.

SAVE TIME AND MONEY

BY USING OUR COMBINATION

"Quick" Changeable Stencil and Slides

Stencils the Name and Address of Shipper, Also Size, Grade and Variety of Fruit in One Operation.

This Stencil Cut to Comply with State Regulations.

"15 STENCILS IN ONE"

Made of Brass, These Stencils Are Strong and Durable.

SIZE TO FIT BARREL HEADS.

PRICE \$3.50

(This Price Does Not Include Slides.)

When Sent by Mail Add 15c. for Postage and Packing.

EXTRA VARIETY SLIDES, 20 CENTS EACH.

Stencil Brushes 50c. each.

Stencil Ink, 40c. per cake

State what Variety Slides are desired when ordering. Please enclose remittance covering full amount with order.

Address orders to

The Orchard & Garden Supply Co.

NORTHAMPTON, MASS.

AIMS, METHODS AND POLICIES OF THE ORCHARD AND GARDEN SUPPLY COMPANY

The Orchard and Garden Supply Company was organized with the idea of providing the Fruit Grower and General Gardener with a source of supply at prices which will constitute a considerable saving in the purchase price of the materials and supplies they need.

It has long been the hope of the men back of this idea to devise such means. Both practical growing experience and years in the merchandising of goods to the grower have demonstrated to them over and over again, the utter lack of a source of supply at the disposal of the grower, which would eliminate the present exorbitant cost of purchasing through the numerous middlemen through whose hands these supplies under present-day methods must pass, before they reach the actual user. Every Grower with an inkling of knowledge of manufacturing and raw materials costs knows that the cost of making the sale to him is more than the cost of the item itself.

Distribution and manufacturing methods in all lines of Industry have undergone many changes during the last few years. Today, more than ever, the efforts of the individual manufacturer are concentrated on the elimination of waste, increase in production and stabilization of manufacturing and distribution methods. Industry as a whole is swift to adopt any process which will effect a saving in the retail cost. Only the agricultural buyer, among all the Industrials has failed to take advantage of the lessons learned, and, as a consequence he alone still pays the top prices which his wasteful purchase methods carry with it. Besides, even in doing so, he is very often furnished materials which have not stood the test of practical use or have been designed especially to fill a given need.

Any implement which does not fully cover the field of its intended use, is an expensive purchase, no matter how low its price. The proper function of any tool is to promote economy by doing a job better and quicker than it can be done by hand. If it does not accomplish this purpose, then it is not worth buying. We have made a thorough study of all the accessories manufactured in this field, and we will list and carry only such items which we know will perform the tasks assigned to them, better than any other like make in the market.

The unfavorable buying conditions for the Grower are by no means the fault of the manufacturer, who is only too anxious to secure the largest distribution obtainable for his product. Owing to the fact that the users of the goods which he manufactures are widely scattered, he has but two ways at his disposal through which he can reach the consumer. One of them is through direct contact, either by mail or salesmen, in which instance the user must eventually pay for the sales expense composed of direct-by-mail advertising and sales costs such as postage, catalogues and individual letters, salesmen's salaries and travelling expense. This method although practised to a large extent by the manufacturer of agricultural implements (for lack of a better one) is very unsatisfactory from the users' point of view, because his supplies are composed of goods manufactured by a good number of different firms, and the user has to foot the sales cost involved anew, every time he purchases an article of different make.

The second method open to the manufacturer for the distribution of his product is to dispose of same through the channels of the regular dealer. This method from the buyers' standpoint is also wholly unsatisfactory, because under it the consumer has to pay for the handling, shipping, billing, recording and ordinary cost of doing business charges, plus a profit for each of the four or five different channels through which the goods must travel from the factory through the Wholesaler, General Jobber, City Jobber and Dealer before they finally reach him. Obviously it is always the consumer who in the last instance must face this combination cost of sales and profit charges. Under present day methods this cost is out of all proportion to its real value. It is our idea that an article should cost the consumer the following and no more: Raw Material cost, plus the manufacturing cost and a profit to the manufacturer, plus the cost to the Distributor with his profit. Anything over this is unnecessary and by our methods can be avoided.

Of the two methods to date devised to overcome these unfavorable buying conditions, the first, namely the large Mail Order House, has failed to do so mainly for the reason that it is conducted solely as a profit making establishment, and as a rule, its prices are only just a sufficient shade below that of the dealers to favor them with the business. Furthermore, almost without exception, these houses are all closely held corporations and mostly affiliated with large manufacturing and jobbing interests. As a rule they set their prices on a slightly lower than the competitive dealers' basis, rather than on a basis of cost plus a reasonable profit.

The second method, that of the Growers' Co-operative Associations, has not accomplished the purpose intended, for the reason that the manufacturer can not, if he wanted to, afford to antagonize his Dealer and Jobber, on whom he must depend for the distribution of his products in the Town and City markets, by granting the co-operative associations the same low price at which he sells to the Dealer and Jobber. The result is, that the co-operative association not being recognized as a commercial establishment, is unable to get a better price, than that known as the "BIG BUYERS' " price, which usually is only just a shade below the regular prevailing retail quantity rate.

It is our aim and intention to combine these two methods by making the individual Grower a part owner in this business. Owing to our being a recognized commercial establishment, we are in a position to commend the lowest prices and selling and buying as we will for cash only, we shall have additional advantages not only in the way of buying, but also by reason of the elimination of a good portion of the usual overhead, bookkeeping and collection costs. We see no reason why a person who naturally pays cash, should have to pay for bad accounts, (a certain portion of which always accrues where goods are sold on credit).

OUR PARTICIPATION PLAN

First we want you to become a part owner in this business, by subscribing to a sufficient amount of stock in this Company, to take care of your yearly requirements in our field. For instance, if you figure that in the course of a year you will purchase \$200 worth of merchandise in our line, then you should subscribe to two shares of stock of \$100 each. You will be entitled to a discount of 10% from the list prices on all purchases of items which we regularly list and carry up to the amount of your holdings each fiscal year. In other words, if you own two shares of stock in this Company, this will entitle you to a discount of 10% from the list prices each year on all your purchases of our regular line up to the amount of \$200. Purchases over the amount of your holdings will be at regular list prices.

Needless to say, we will not be able to restrict our sales efforts to stock holders only, as in doing so, we would at once forego our recognition as a commercial establishment. We will aim at a continental distribution of our merchandise, and we anticipate that the growers who are financially interested in this Company, will act as boosters and silent salesmen for THEIR Company. This will assure us a volume of business that will give us additional advantages from a buying point, besides it is the business from the non-stockholders whom we will have to look for our profits.

Stock will be PREFERRED, ACCUMULATIVE Shares of \$100 each, bearing interest of 6%. This will give our stockholders a net return on their investment of 16% of which 6% are in the form of interest dividends and 10% in the form

of discounts. Please remember that these discounts will be from prices which are already below the prevailing retail prices. But a Grower may say, I am a Fruit Grower, but I am also a Dairyman and I want a place where I can also buy my dairy supplies and other necessary things. True, that is where our plan will be of most service to him through:

OUR SERVICE DEPARTMENT

Through this department we will purchase for any stockholder any article, other than those regularly listed or carried by us, which by reason of our commercial connections we can obtain at Wholesale or Jobbing rates. We will resell such merchandise to the stockholder wanting same at cost to us, plus a handling charge of 10% on goods in less than carload lots, 5% on dry insecticides in ton lots, and 5% on goods ordered in carload lots. In other words, suppose the dairyman mentioned above asks us to buy him a manure spreader or a milking machine, or a tire for his car or some engine oil. The retail price of such items is from 25% to 50% above the cost from the factory by the time the dealer tacks on his profit. We would buy the item needed from the factory at factory prices, add on 10% for handling the same, and the user would save from 10% to 40% on the purchase price. Surely a saving of this size is worth while. It is our business to know where and how to buy such material to best advantage, and since the individual grower or the co-operative association can not get the rock bottom prices which we are able to obtain, this department will be of immense help to our stockholders.

In addition to the discount privileges and the benefits from our service department, our stockholders will have at their disposal for reference to of any technical question or advice, our ADVISORY COUNCIL. This council will be composed of practical Fruit, Vegetable and General Growers, who are known and recognized as Leaders and Experts in their respective fields. These Counselors will be glad to put the fruit of their knowledge and long years of practical experience at the disposal of their Brother Stockholders.

STOCK

We offer PREFERRED, ACCUMULATIVE stock, bearing 6% interest and discount privileges of 10% to the amount of each share of stock which will be issued in certificates of \$100.

As we are anxious to secure a large number of stockholders each holding out just a sufficient amount of stock to assure him of the discount benefits on all his yearly requirements in our line each year, rather than a few stockholders with a large number of shares, we have decided to give Subscribers the option of purchasing the stock either outright for cash, or to pay for same under the partial payment plan. If purchased outright for cash, stock certificates will be issued as soon as our organization is completed and such stock will bear interest from the date of subscription. If purchased under the partial payment plan, a first payment of \$10 for each share of stock subscribed to will be required with the subscription and the balance is then payable in nine monthly instalments of \$10 each for each share of stock, for nine successive months. Stock purchased under the partial payment plan will be issued when fully paid and will bear interest from the date of issue. However, both stock purchased outright and that purchased under the partial payment plan, are entitled to the 10% discount privileges from the date of their subscription.

The old Fruit Growers' Supply Company, originally started with a similar purpose. However, owing to its rather limited scope and the lack of a policy which would make the individual users, part owners and interestees as well as boosters of the business, they did not succeed in getting the necessary volume of unsolicited business which would enable them to buy at the best of advantage.

In conclusion, we hope that all thinking Growers will recognize the sales and stock participation plan of the ORCHARD AND GARDEN SUPPLY COMPANY, as a distinct advance on the same lines along which they have been working gradually in the marketing of their produce. We trust all those approached will avail themselves of this opportunity our plan offers to help us to help themselves to lower their production cost by lowering the cost of their equipment and supplies, besides providing an investment of at least unusual return. Kindly fill out the enclosed blank and forward same to us. While we trust that we have made ourselves perfectly clear on all points, please do not hesitate to write us should you desire further information with regard to any particular point.

Cordially yours,

THE ORCHARD AND GARDEN SUPPLY COMPANY.

SUBSCRIPTION BLANK

THE ORCHARD AND GARDEN SUPPLY COMPANY,
NORTHAMPTON, MASS.

Gentlemen:

In the event of your incorporating I would wish to subscribe to.....shares of the PREFERRED ACCUMULATIVE 6% interest bearing stock of the Orchard and Garden Supply Company at \$100 each, and I would pay for same (outright) (on the instalment plan).

I understand that stock will be issued to me as soon as the Company's organization is completed if purchased outright, and that if my payment is a partial one, I agree to pay without notice an equal amount each month for the next consecutive nine months and that stock purchased under the partial payment plan, will be issued as soon as the same is paid for in full.

I further understand that in addition to the annual interest of 6% each share of stock will entitle me to a discount of 10% from the list price on all goods regularly listed by the Company, each year on purchases up to the face value of the stock I hold.

I further, upon becoming a Stock Holder, having the privilege of making use of the Service Department of the ORCHARD AND GARDEN SUPPLY COMPANY which will act as a purchasing agent for me for all such items as they do not regularly carry, or list and which they are able to secure for me at Jobbers' or Dealers' prices. Such purchases will be made for me by the Company, at cost, plus a handling charge of 10% on items purchased in less than carload lots, 5% on dry insecticides in ton lots, and 5% on goods purchased in carload lots.

Name.....Address

Date.....

State.....